

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

001

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil
Well ☒Gas
Well ☐

Other

Single
Zone ☐Multiple
Zone ☐

2. Name of Operator

Amoco Production Company

3. Address of Operator

P.O. Box 17675 Salt Lake City, Utah 84117

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

NW NW/4 Sec. 14, 850' FWL & 886' FNL

At proposed prod. zone

BHL: 1772' FNL & 2122' FWL (Irregular Section)

14. Distance in miles and direction from nearest town or post office*

3 miles southeast of Castle Rock, Utah

15. Distance from proposed*

location to nearest
property or lease line, ft.
(Also to nearest drlg. line, if any)

850'

16. No. of acres in lease

17. No. of acres assigned
to this well18. Distance from proposed location*
to nearest well, drilling, completed,
or applied for, on this lease, ft.

19. Proposed depth

18,500'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DP, RT, GR, etc.)

7379' Top of Hub

22. Approx. date work will start*

When Approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
26"	20"	94#	80'	Surface
17 1/2"	13-3/8"	54.5 & 61#	1500'	Surface
12 3/4"	9-5/8"	40, 47 & 53.5#	8300'	**
8 1/2"	7"	23, 26 & 29#	13,950'	*
Liner: 6"	5"	18 & 20.8#	18,500'	*

** Cement across entire salt section

* Cement across all potential pay as determined from logs

PROPOSE TO DEVELOP PALEOZOIC, NUGGET & TWIN CREEK FORMATIONS

"See Attachments"

(Well to be drilled in accordance with Rule C-3. Surface location
selected to avoid unnecessary surface disturbance as per surface
owner request - BHL to comply with spacing rules and regulations.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

E. R. NicholasTitle Administrative SupervisorDate 1-9-81

(This space for Federal or State office use)

Permit No.

Approval Date

Approved by

Title

Date

Conditions of approval, if any

DIVISION OF
OIL, GAS & MINING

* See Instructions On Reverse Side

APPROVED BY THE DIVISION
OF OIL, GAS, AND MININGDATE: 1-26-81BY: M. J. Mundy

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN **DUPLICATE***
 (Other instructions on
 reverse side)

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No. Island Ranching "D"

10. Field and Pool, or Wildcat

11. Sec., T., R., M., or Bk.

and Survey or Area

Section 14, T4N-R7E

12. County or Parrish 13. State

Summit Utah17. No. of acres assigned
to this well

16. No. of acres in lease

20. Rotary or cable tools

Rotary

22. Approx. date work will start*

When Approved

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

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Well ☒Gas
Well ☐

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Zone ☐Multiple
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(Also to nearest drlg. line, if any)850'18. Distance from proposed location*
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 owner request BHL to comply with spacing rules and regulations.)

RECEIVED

JAN 14 1981

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24.

DIVISION OF

OIL, GAS & MINING

Signed.....

E. R. NICHOLSONTitle Administrative SupervisorDate 1-9-81

(This space for Federal or State office use)

Permit No.....

Approval Date

Approved by.....

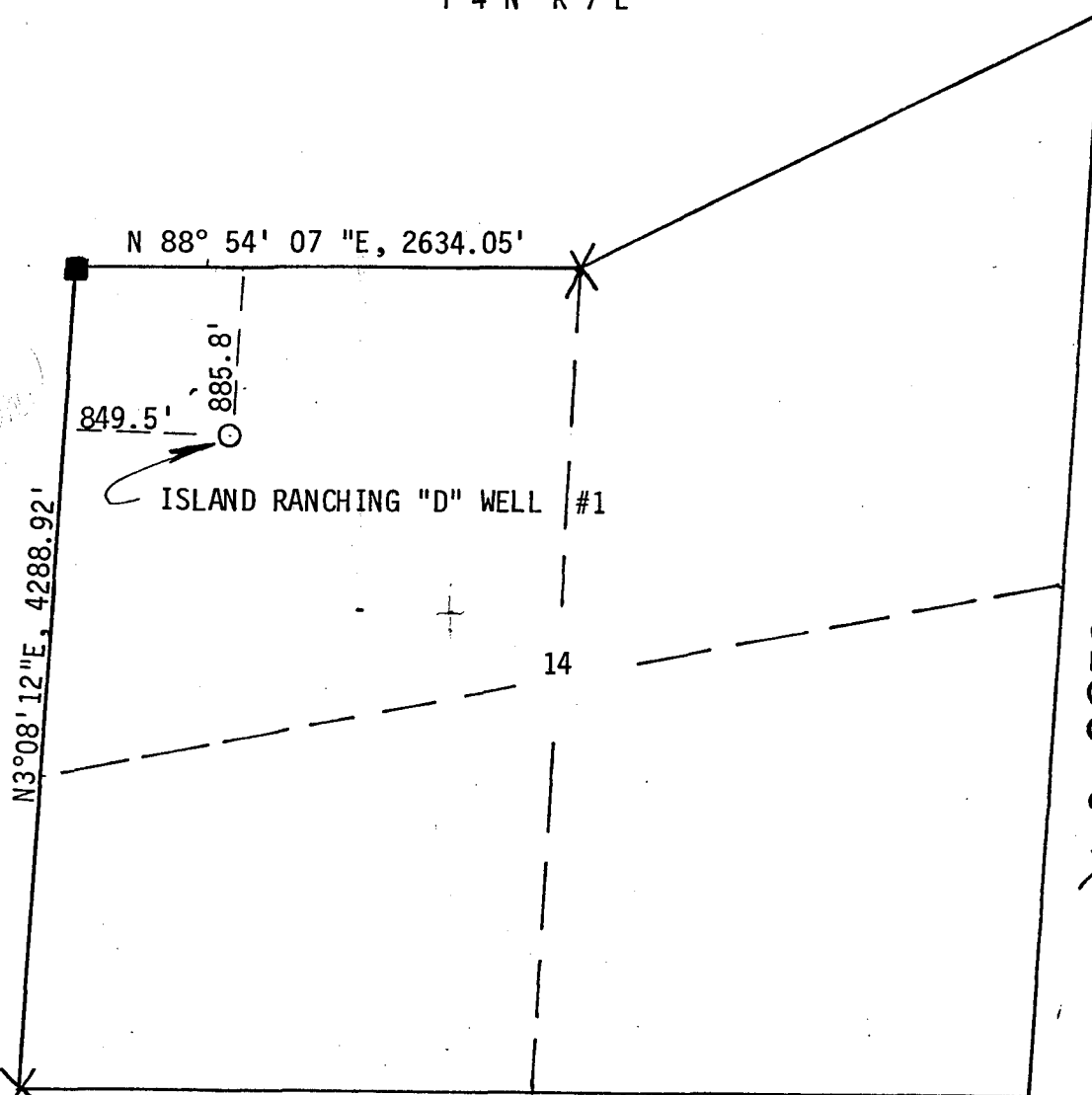
Title.....

Date.....

Conditions of approval, if any:

*See Instructions On Reverse Side

T 4 N R 7 E



SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

X Fence Corner

I, John A. Proffit of Evanston, Wyoming certify that in accordance with a request from Reed Smith of Evanston, Wyoming for Amoco Production Company I made a survey on the 18th day of December, 1980 for Location and Elevation of the Island Ranching "D" Well #1 as shown on the above map, the wellsite is in the NW ¼ of Section 14, Township 4N, Range 7E of the S.L.B. & M., Summit County, State of Utah. Elevation is 7379 Feet Top of HuB Datum USGS Quad-Castle Rock, Utah. SE ¼ Sec 15 T4N R7E, Spot Elevation 7348'

Reference point _____
 Reference point _____
 Reference point _____
 Reference point _____

John A. Proffit 12/31/80
 John A. Proffit R.L.S. NO. 2860

DATE: December 30, 1980
 JOB NO.: 80-10-83

UINTA ENGINEERING & SURVEYING, INC.
 808 MAIN STREET, EVANSTON, WYOMING

Attachment to Form OGC-1a

Island Ranching "D" #1

- 1) Geologic name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

<u>Marker</u>	<u>Depth</u>
Cretaceous	3255'
Pruess	5246'
Salt	6000'
Twin Creek	8168'
Nugget	9603'
Triassic	10,716'
Phosphoria	13,950'
Weber	14,398'
Madison	16,656'
Bighorn	17,873'
Absaroka Thrust	18,323'

- 3) Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations:

See Item #2, above

- 4) Casing Program: See Form OGC-1a Item #23
- 5) Operators minimum specifications for pressure control equipment are explained on attached schematic diagram. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

- 6) Mud Program

<u>App. Interval</u>	<u>Type Mud</u>	<u>Wt. #/Gal</u>	<u>Viscosity</u>	<u>W.L. cc/30m</u>	<u>Other Spec</u>
0 -1500'	Spud Mud	As required	—	—	—
1500'-6000'	KCL-LSND	8.5-8.7	32-45	20	2-4% KCL
6000'-8300'	LSND	10-10.5	As required	20	Salt saturated
8300'- TD	LSND	8.8-10.5	32-45	20	—

- 7) Auxilliary Equipment

Kelly cock: floor sub with a full opening valve. 3" choke manifold with remote control choke.

- 8) Testing Program

4 DST's - Nugget, Phosphoria and Weber.

Logging Program

<u>Type</u>	<u>Depth Interval</u>
DIL	Sfc - TD
GR	Sfc - 2000'
FDC-CNL-GR	BSC - TD
Dipmeter & directional	BSC - TD
BHC Sonic - GR w/Caliper	BSC - TD

Coring Program

None planned

Stimulation Program

Perforate w/4 JSPF and acidize w/100 to 250 gallons 15% or 28% HCl per foot of perforation.

- 9) No abnormal temperatures or pressures expected. H₂S possible in Phosphoria and Weber formations.
- 10) Anticipated starting date will be when approved and the duration of the operations will be approximately 180 days.

CONTINGENCY PLAN

AMOCO PRODUCTION COMPANY
P.O. Box 17675
Salt Lake City, Utah 84117

ACTION PLAN FOR ACCIDENTAL RELEASE OF H₂S

Island Ranching "D" #1
NW/4 Section 14, T4N-R7E
Summit County, Utah

January 8, 1981

I. PURPOSE:

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster during the drilling of formations which may contain Hydrogen Sulfide Gas (H_2S).

AMOCO PRODUCTION COMPANY has specified materials and practices for the drilling of this well to protect the safety of all concerned. However, as a precautionary measure this contingency and evacuation plan has been prepared to further assist the safety of all concerned.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H_2S is a colorless gas which smells similar to rotten eggs in low concentrations. In large concentrations or over long periods of exposure, the sense of smell may be paralyzed. H_2S is extremely toxic gas that must be treated with extreme care to prevent injury to people. H_2S is heavier than air (specific gravity=1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H_2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

The toxicity of H_2S is as follows:

Period of Exposure:

Prolonged exposure - no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possibly fatal in less than 1/2 hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

- A. Remove the patient to fresh air, call physician or ambulance if possible.
- B. If breathing is labored or has ceased, give artificial respiration immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to move to fresh air, keep on your mask and use resuscitator on patient.
- C. If giving artificial respiration, and patient is breathing, use resuscitator to help eliminate H_2S from the bloodstream.
- D. Keep patient at rest and prevent chilling.
- E. Get patient to a physician as soon as possible.

IV. EQUIPMENT REQUIREMENTS:

A. General:

All equipment to be exposed to H_2S shall be built to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

B. Blowout Preventer Requirements:

All BOP body and parts (excluding rams and ram shear blades) shall be constructed of a carbon steel or low alloy steel with an HRC 22 maximum hardness. Rams shall be built out of low alloy steels (i.e., AISI 4130 or like) Shear blades shall be constructed of hard high strength steel to enable the blades to shear the drill pipe in emergency conditions.

The blowout preventer stack will be tested to full working pressure on initial installation and routinely thereafter, not to exceed two weeks. The stack will also be tested any time a seal has been broken, a leak experienced, or a known H_2S bearing formation is to be drilled.

C. Drill String Requirements:

All drill string components shall be to API specifications for tubular goods in controlled environments. Typically, grade E drill pipe will be used. All components will be inspected to IADC critical service specifications prior to running in the well. Corrosion will be monitored by coupons.

D. Choke Lines and Kill Manifold:

Choke lines and kill manifold shall be constructed of ASTM 106 grade B or A-53 grade B.

E. Casing and Wellhead Equipment:

Casing shall be constructed to API requirements for sour gas wells. The casing to be run will be C-75 type 2, L-80 or SS-95.

Wellhead equipment will be constructed to Amoco specifications. From the tubing head up all valves shall have stainless steel balls and seats with monel stems, which complies to a NACE 1 trim. Valve bodies to be made from carbon or low alloy steel with HRC 22 maximum. All welds will be x-rayed and stress relieved.

V. SAFETY AND MONITORING EQUIPMENT:

A. Gas Monitoring Equipment:

1. A continuous H_2S monitoring system with two or more H_2S detection heads will be in operation. One will be sampling from the shale shaker and one sampling from the bell nipple below the rotary table. Both units will be monitored in the mud loggers trailer and/or the dog house. Each unit will be set to trigger a blinking light on the rig floor should the amount of H_2S reach 10 PPM, and to trigger an alarm should the amount of H_2S reach 20 PPM.

Any time it is necessary to deactivate the alarm (if H₂S is continuously present) a trained operator or H₂S Supervisor will monitor the detection system.

2. When approaching or drilling H₂S formations, crew members may attach 8-hour H₂S electronic personnel monitoring equipment to their person as warranted.
3. Hand sampling gas detectors will be used to check areas not covered by automatic monitoring equipment.

B. Safety Equipment

1. The following safety equipment will be available:

Escape packs:

- 1 - 5 minute escape pack on the derrick
- 5 - 5 minute escape packs on floor
- 4 - 5 minute escape packs at various points along mud tanks
- 1 - 30 minute pack in each trailer
(2 in mud logger's trailer)
- 1 - 30 minute pack at bottom of steps
- 1 - 30 minute pack in mud shed
- 1 - 30 minute pack in tool shed

Total: 10 - 30 minute packs
 10 - 5 minute packs

Cascade System:

- 10 - 380 cu. ft. cylinder air supply system
- 2 - 5 outlet manifold on floor (1 each side)
- 2 - 5 outlet manifolds on mud tanks
- 10 - line masks (same as 5-minute packs)
- 1500' low pressure air line hose with quick connects

Other Equipment:

- 4 - wind socks
- 36 unit - first aid kits
- 1 - oxygen powered resuscitator with cylinder
- 1 - flare gun with shells
- 1 - stretcher
- 1 - combustionable gas meter
- 1 - safety belt with safety line

Note: Respirators shall comply with OSHA standards, part 1910.134, Respiratory Protection.

This equipment is available for persons normally on location. This includes the five man crew, toolpusher, Amoco drilling supervisor and mud loggers. Maximum number of people to be on location during normal drilling operations should range from ten to twelve.

2. Two areas on location will be designated as BRIEFING AREAS. The one that is upwind from the wellbore will be designated as the "SAFE BRIEFING AREA". The "SAFE BRIEFING AREA" will be recognized by the positioning of the "SAFETY" trailer in this area.
3. The H₂S "SAFETY" trailer provided by a safety contractor such as SAFETY INTERNATIONAL, INC. will contain the equipment listed in V.B. 1 (above) and will have a wind sock or streamer to indicate wind direction.
4. A second wind sock or streamer will be located at the end of catwalk and visible from the rig floor.
5. A condition warning sign will be displayed on location and at entrance of location regarding current operating condition.
6. The emergency procedure (attached) will be kept on rig floor, contract toolpusher's trailer, Amoco's trailer and in safety trailer.
7. Two barricades will be available to block entrance to location should an emergency occur.
8. An external communication system should be installed in Amoco's trailer, mud logger's unit and on rig floor.
9. An internal communications system should be installed between company trailer house, contract toolpusher's quarters, mud logger's unit, rig floor, shale shaker, mud mixer area and choke manifold.
10. An undulating high and low pitch siren will be installed.

VI. CREW TRAINING AND PROTECTION:

A. Blowout Prevention Drills:

Pit drill and trip drill training will be held with each crew until proficient in closing the well in. Drills will be held on a regular basis thereafter, with at least one drill per crew with the Drilling Supervisor or contract toolpusher triggering the alarm. Reaction time will be checked from the time the alarm goes off until the well is simulated closed in. Closing time should be under two minutes. A copy of AMOCO PRODUCTION COMPANY's Oil and Gas Blowout Drill Procedure will be posted on the rig floor.

B. H₂S Training and Drills:

All personnel shall be instructed and certified for H₂S prior to penetrating 1000' above an expected hydrogen sulfide zone. Training will include: the correct use of the gas masks, wind socks, safety ropes and oxygen resuscitator, instruction on artificial respiration and on the emergency procedure.

H₂S drills will be held periodically. The Amoco representative along with the toolpusher, shall plan and activate drills. They

will activate, without warning, the H₂S alarm and participate in the drill. The crew will proceed to put on a mask and secure well as per posted drilling procedure.

VII. MUD ADDITIVES:

A low solids non-dispersed mud system will be used. At one thousand feet above an expected hydrogen sulfide formation the system will be built up to a concentration of 20 lb/bbl. Ironite Sponge. Previous to this, sufficient Ironite Sponge will be on location to treat the mud if the need arises and the mud maintained at a high pH.

VIII. LOCATION OF RESIDENTS:

See attached listing

IX. WELL TESTING PROCEDURES:

During all drill stem tests and swab tests of formations or zones where H₂S might be encountered, produced gas and liquids will be routed into flare lines. Due to prevailing wind fluctuation and seasonal variations, consideration will be given to the construction of two flare pit locations, each a minimum of 150' from the nearest rig equipment. All flare lines will be equipped with pilot lines hooked to a bottled gas system. All flare lines will be secured to prevent them from whipping should a high volume of gas be blown through them.

All equipment including drill string and tubing string members and tools, surface test units, and miscellaneous related testing equipment shall conform to NACE Standard MR-01-75, or Amoco specifications if Amoco specifications are more stringent.

X. EMERGENCY EVACUATION PLAN:

(See Attachment)

LIST OF RESIDENCES WITHIN

2-MILE RADIUS:

There are no residences within a 2-mile radius of said well.

X. EMERGENCY EVACUATION PLAN

NOTE: This attachment shall be posted on the bulletin board contained in the dog house, with extra copies contained in the contract toolpushers trailer, Amoco trailer and in the safety trailer.

Designation of Responsibility:

In order to assure the proper execution of this plan, it is essential that one person be responsible for, and in complete charge of, implementing these procedures. Therefore, responsibility shall be designated in the following order, depending on who is on location:

1. Amoco Production Company's Representative (Drilling Foreman or Consultant)
2. Contract Toolpusher

Definition of Warning Signs:

Condition: Green - Normal Operations

Condition: Yellow - Potential Danger - Caution

Cause for Condition:

1. Circulating
2. Trip gas after trips
3. Circulating gas out on choke
4. Poison gas present, but below threshold levels

Condition: Red - EXTREME DANGER

Cause for Condition:

1. Uncontrolled well
2. Poison gas present above threshold levels

Emergency Procedures:

Condition Yellow:

1. Check safety equipment and keep it with you
2. Be alert for a change in condition warning sign
3. Follow instructions

Condition Red:

After any accidental release of potentially hazardous volume of hydrogen sulfide gas, this program shall be initiated immediately:

1. Set off alarm. Evacuate all persons off location to "safe briefing area" that is upwind. Check that all persons are present. If not, proceed with evacuation from hazardous area in the following manner:
 - a) Two persons, if available, re-enter hazardous area with air packs and each attached to an assistant via safety line. The assistant shall also be wearing respiratory equipment but outside of the hazard area.

- b. Locate and evacuate all other persons in hazardous area to safety briefing area.
- c. Proceed with emergency first aid to all injured. Call hospital emergency ward. Alert them of the problem and have them send rescue vehicle immediately.

MEDICAL PERSONNEL AND FACILITIES

UTAH VALLEY HOSPITAL-----801-373-7850

Hospital Administrator, Mr. Grant C. Burgon

Dr. Keith Hooker, Director Rural Clinics -----801-373-7850 (Office)
801-225-5084 (Home)

AMBULANCE-----911 or 801-373-7850

PROVO OR ALPINE AVIATION-----801-375-7220 (PROVO)
801-373-1508 (ALPINE)

2. Locate, define problem, and proceed with emergency shut-in procedures per Amoco Production Company Blowout Drill Procedure.
3. Stay in "safe briefing area" unless instructed to do otherwise. Continuously monitor air quality in briefing area.
4. Only enter hazardous area with adequate air supply and attended by someone with a safety rope.
5. Call Company personnel in the following order, until one is contacted. Inform him of the problem and what actions have been taken. It is then his responsibility to contact his supervisor.

<u>NAME</u>	<u>OFFICE TELEPHONE</u>	<u>HOME TELEPHONE</u>
Kurt Unger	801-272-9253	801-571-0659
Bill Halvorson	801-272-9253	801-943-2243
Wayne Todd	801-272-9253	801-272-4706
Scott Trushenski	801-272-9253	801-942-0577
Martin Zimmerman	802-272-9253	801-942-5080

6. Notify the appropriate agencies and law officers that an emergency situation exists and help is needed.

LAW ENFORCEMENT AGENCIES

SHERIFF DEPARTMENT -----911
801-374-2211

SHERIFF, PROVO, UTAH
Mack Holly-----801-375-3601

HIGHWAY PATROL, PAYSON -----801-224-2441

UTAH OIL AND GAS COMMISSION

Oil, Gas, and Mining Division
1588 W. North Temple
Salt Lake City, Utah -----801-533-5771

FIRE DEPARTMENT

Fire Department-----801-465-3611

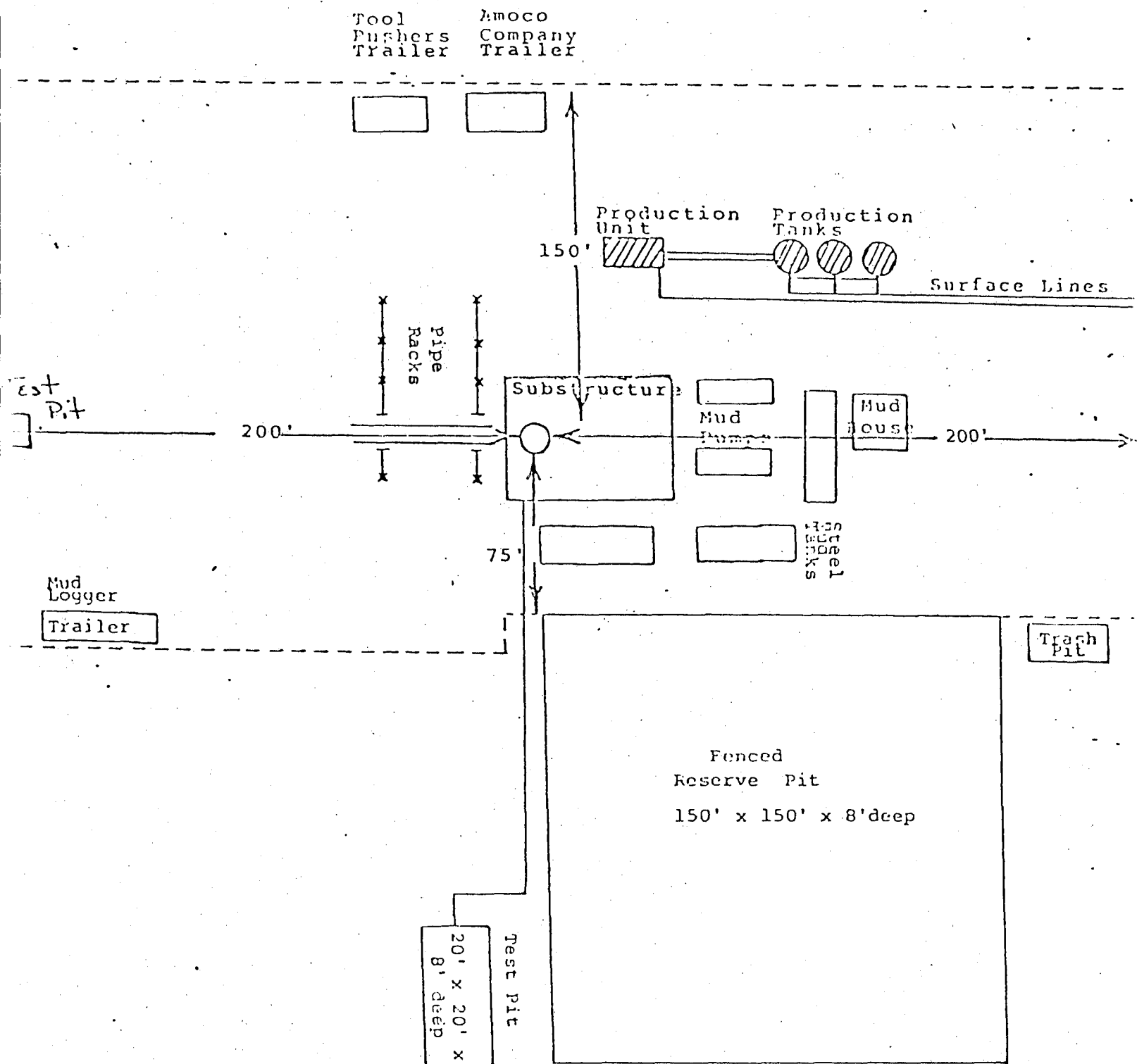
Highway Patrol, Payson-----801-224-2441

UTAH ENVIRONMENTAL PROTECTION AGENCY

Utah Environmental Health Services
Air Pollution
150 W. North Temple
Salt Lake City, Utah-----801-533-6108

7. The State Police shall contact residents in the two (2) mile danger zone, and start evacuation with those in the down wind direction of the rig.

8. In the event that a blowout should occur, the decision regarding ignition of the escaping gas will be made by the Amoco representative on location after consultation, if possible, with the appropriate supervisor or management personnel listed previously. However, if the seriousness of the situation does not allow time for consultation, the Amoco representative on location has the authority to make the decision to ignite as a last resort where it is clear that human life and property are in jeopardy and/or the chance of controlling the well under the prevailing conditions are very remote.
9. Meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.



⊘ = Shows permanent production equipment to be installed after drilling rig has moved out.

--- Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drill and production pads will be constructed with dozers and graders using native material.

TYPICAL
LOCATION
LAYOUT

AMOCO PRODUCTION COMPANY
P. O. Box 17675
SALT LAKE CITY, UTAH 84117

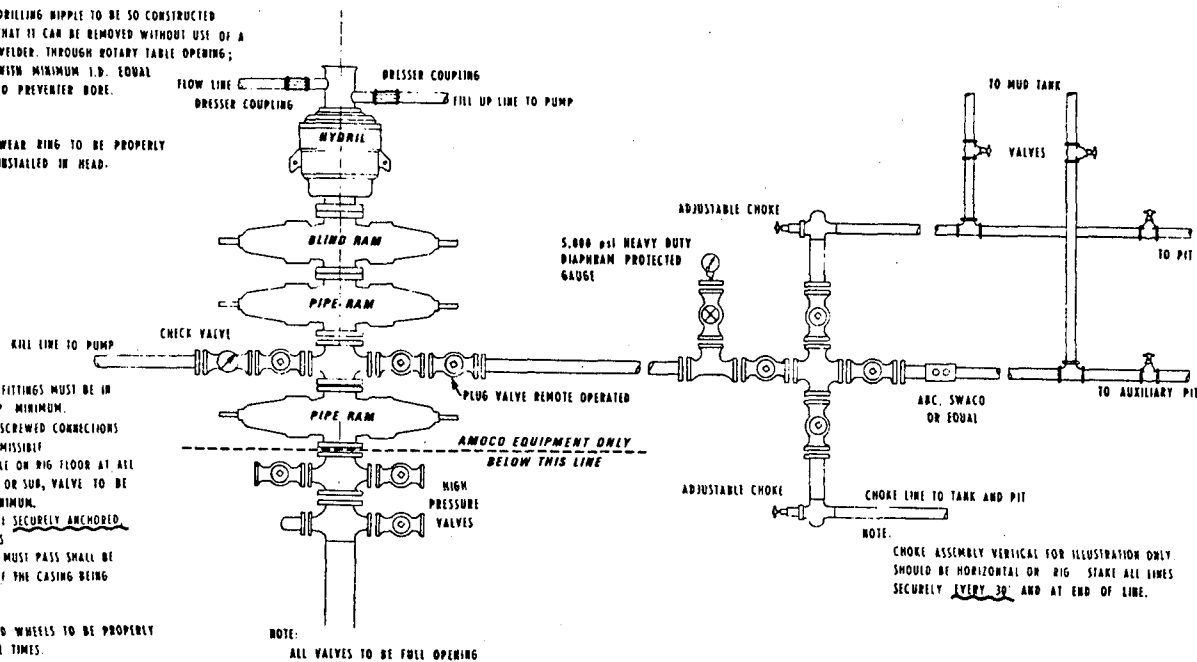
EXHIBIT 'D'

EXHIBIT BOP-5000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
5,000 psi W.P.

NOTE:

1. DRILLING HIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2. WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



NOTE:

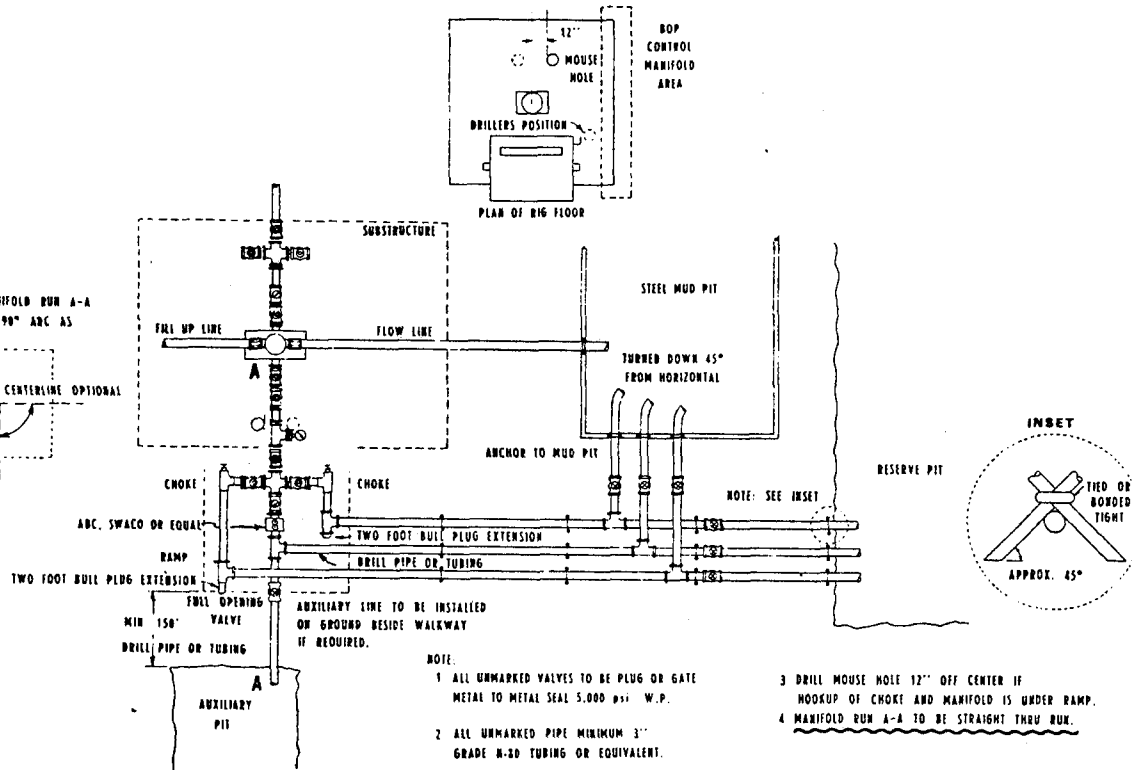
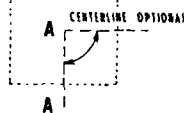
1. BLOW-OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 psi W.P. MINIMUM.
2. ALL FITTINGS TO BE FLANGED. SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE.
3. SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUP. VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
4. ALL CHOKES AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES.
5. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
6. KELLY COCK ON KELLY.
7. EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
8. RIG FLOOR BLOW-OUT PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
9. BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 80 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION, AND MEET ALL IADC SPECIFICATIONS.

NOTE:
ALL VALVES TO BE FULL OPENING

NOTE:
CHOKE ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL ON RIG. STAKE ALL LINES SECURELY EVERY 30' AND AT END OF LINE.

NOTE:

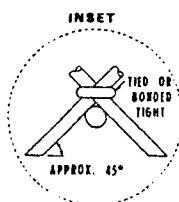
DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW.



NOTE:

1. ALL UNMARKED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 psi W.P.
2. ALL UNMARKED PIPE MINIMUM 3" GRADE N-20 TUBING OR EQUIVALENT.

3. DRILL MOUSE HOLE 12" OFF CENTER IF HOOKUP OF CHOKES AND MANIFOLD IS UNDER RAMP.
4. MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN.



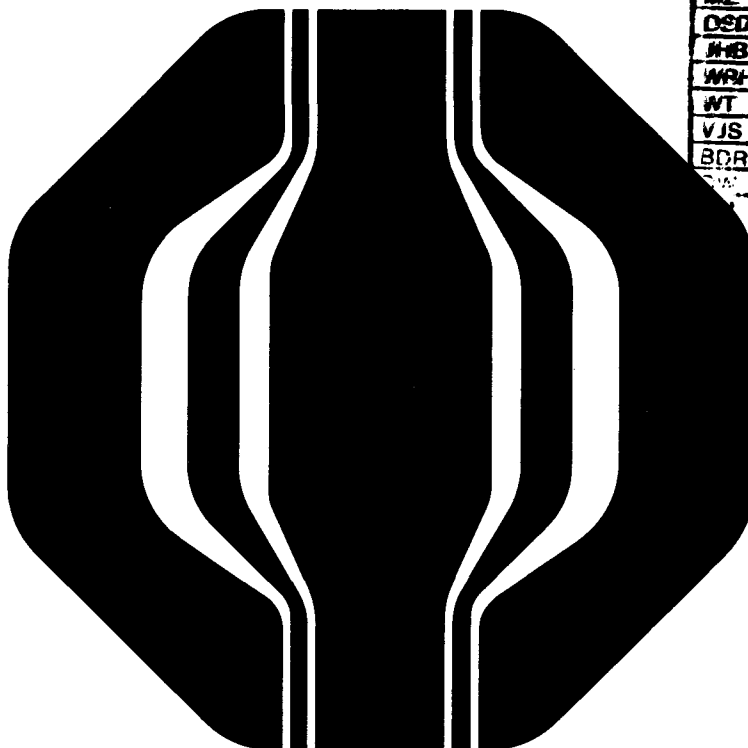
Amoco Production Company
STANDARD ASSEMBLY FOR FLUID
OPERATED TRIPLE BLOW-OUT PREVENTER
5,000 psi W.P.

SALT LAKE CITY DIST.
RECEIVED

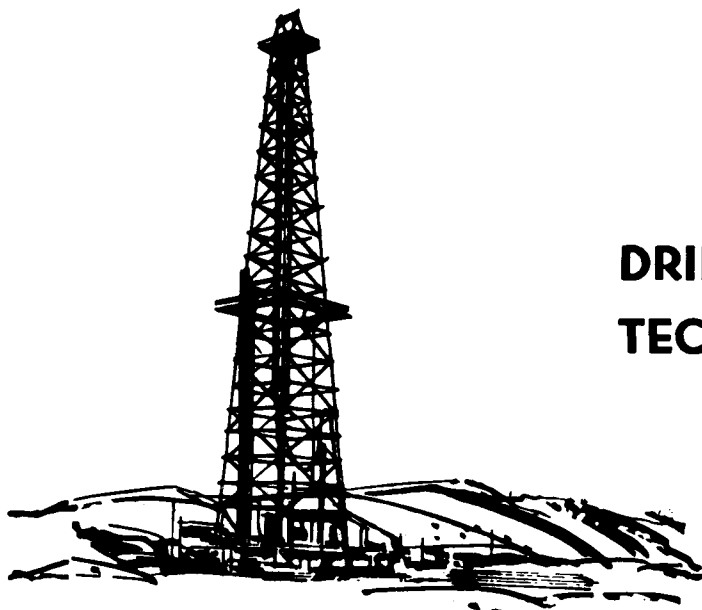
AUG 07 '81

ROUTE AS FOLLOWS

AZ			
DSD			
HMB			
WRH			
WT			
VJS			
BDR			
	CONT	IMP	P&C
	LSE		



LYNES



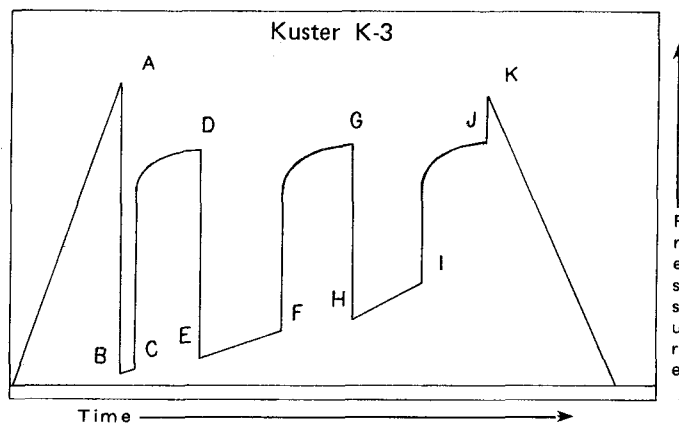
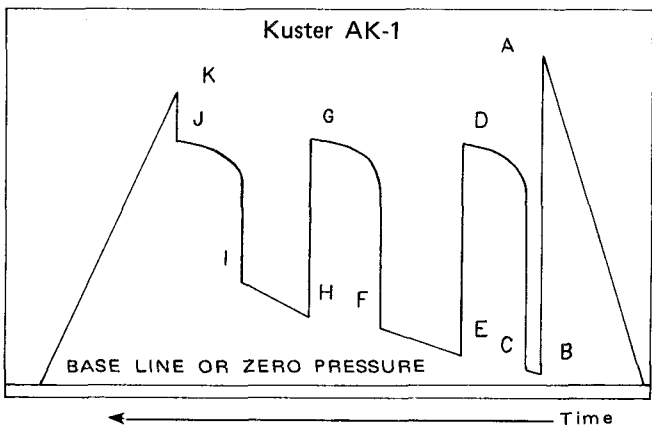
DRILL STEM TEST TECHNICAL SERVICE REPORT

GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

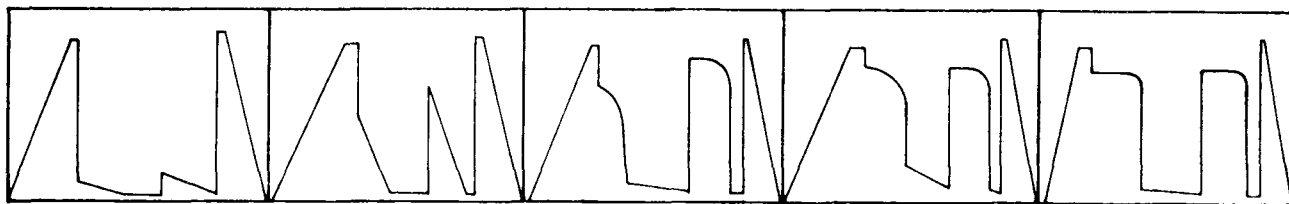
In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.

K-3 recorders. Read from left to right.



- A – Initial Hydrostatic
- B – First Initial Flow
- C – First Final Flow
- D – Initial Shut-in
- E – Second Initial Flow
- F – Second Final Flow
- G – Second Shut-in
- H – Third Initial Flow
- I – Third Final Flow
- J – Third Shut-in
- K – Final Hydrostatic



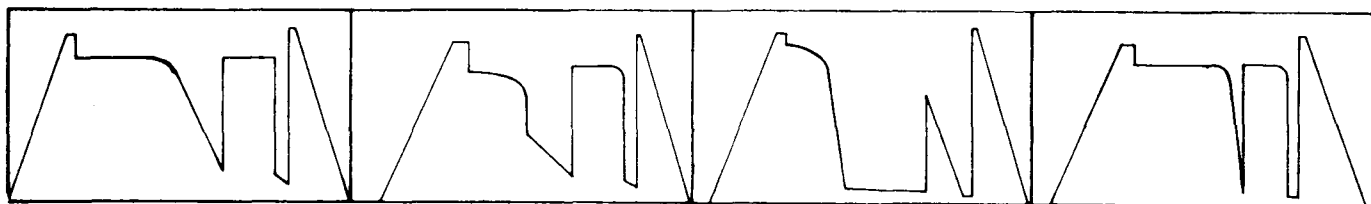
Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered.

Slightly higher permeability. Small recovery, less than 200 ft).

Average permeability. Final and initial shut-ins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.

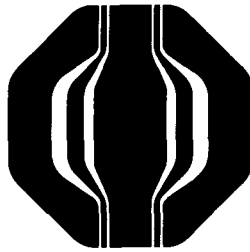


Excellent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.



LYNES

Phone 713-790-9132

Box 12486

Houston, TX 77017

Q = average production rate during test, bbls./day
 Q_k = measured gas production rate during test, MCF/day
 k = permeability, md
 h = net pay thickness, ft. (when unknown, test interval is chosen)
 μ = fluid viscosity, centipoise
 Z = compressibility factor
 T_f = reservoir temperature, ° Rankine
 m = slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
 b = approximate radius of investigation, feet
 r_w = wellbore radius, feet
 t_o = total flowing time, minutes
 P_o = Extrapolated maximum reservoir pressure, psig
 P_f = final flowing pressure, psig
 $P.I.$ = productivity index, bbls./day/psi
 $P.I._t$ = theoretical productivity index with damage removed, bbl./day/psi
 $D.R.$ = damage ratio
 $E.D.R.$ = estimated damage ratio
 AOF = absolute open flow potential, MCF/D
 AOF_t = theoretical absolute open flow if damage were removed
 Z = subsea depth
 W = water gradient based on salinity
 H_w = potentiometric surface

INTERPRETATION CALCULATIONS (OIL/WATER)			
AVERAGE PRODUCTION RATE DURING TEST			
Q	= 1440 (drill collar capacity x recovery + drill pipe capac. x recovery) initial flow time + final flow time		
	= 1440 [() + ()]		
	= 1440 (.0145 or .0073) ()		Mud Expansion = ----- ft. (Drill Collar Conversion Is Considered)
	= ----- bbl./day		
FLUID PROPERTIES			
API Gravity @ 60° F. ----- ° Specific Gravity @ 60° F. -----		Estimated Bottom Hole Temperature °	
		Est. Viscosity ----- cp	
TRANSMISSIBILITY			
kh μ	= $\frac{162.6Q}{m}$ = $\frac{162.6}{()}$	= -----	md.-ft/cp
IN SITU CAPACITY			
kh	= () ()	= -----	md.-ft.
AVERAGE EFFECTIVE PERMEABILITY			
k	= $\frac{()}{()}$ = -----	md.	Estimated Pay Thickness Ft. Actual Pay Thickness Ft.
PRODUCTIVITY INDEX			
PI	= $\frac{Q}{P_o - P_r}$ = $\frac{()}{() - ()}$	= -----	bbl./day-psi
DAMAGE RATIO			
D.R.	= $\frac{0.183 (P_o - P_r)}{m}$ = $\frac{0.183 [() - ()]}{()}$	= -----	
PRODUCTIVITY INDEX WITH DAMAGE REMOVED			
P.I. _d	= P.I. x D.R. = () ()	= -----	bbl./day-psi
APPROXIMATE RADIUS OF INVESTIGATION			
b	= $\sqrt{H_e^2 - \frac{Q^2}{4\pi k h}}$	= -----	ft.
Drawdown Factor			
Drawdown Factor	= $\frac{I.S.I.P. - F.S.I.P.}{I.S.I.P.}$ x 100 = $\frac{() - ()}{()}$ x 100 = ----- %	(4% to 5% is considered serious or substantial)	
Potentiometric Surface			
Potentiometric Surface	= $H_w = Z + \frac{P_o}{w}$	h _w = ----- + $\frac{()}{()}$ = ± -----	ft.

INTERPRETATION CALCULATIONS (GAS)			
ESTIMATED GAS PROPERTIES		Estimated Bottom Hole Temperature	
Gravity @ 60° F.	Viscosity (Res.) cp.	Compressibility Factor (Z)	
TRANSMISSIBILITY		Measured D.S.T. Gas Rate = mcf/d.	
$\frac{kh}{\mu} = \frac{1637 Q_g Z T_f}{m}$	$1637 \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right) = \dots\dots\dots \frac{\text{md.-ft.}}{\text{cp.}}$		
IN SITU CAPACITY			
$kh = \left(\quad \right) \left(\quad \right) = \dots\dots\dots \text{md.-ft.}$			
AVERAGE EFFECTIVE PERMEABILITY		Estimated Pay Thickness Ft. Actual Pay Thickness Ft.	
$k = \left(\frac{\quad}{\quad} \right) = \dots\dots\dots \text{md.}$			
APPROXIMATE RADIUS OF INVESTIGATION			
$b = 0.02 \sqrt{k t_o P_o} = 0.02 \sqrt{\left(\quad \right) \left(\quad \right) \left(\quad \right)} = \dots\dots\dots \text{ft.}$			
ACTUAL CAPACITY			
$kh = \frac{3270 Q_g \mu Z T_f \log(0.472 r_w)}{P_o^2 - P_i^2} = \frac{3270 \left(\quad \right) \left(\quad \right) \left(\quad \right) \left(\quad \right) \left(\quad \right) \left(\quad \right)}{\left(\quad \right) - \left(\quad \right)} = \dots\dots\dots \text{md.-ft.}$			
ESTIMATED DAMAGE RATIO			
$\text{E.D.R.} = \frac{(P_o^2 - P_i^2)}{m (\log t_o + 2.65)}$		E.D.R. =	
ESTIMATED RANGE OF AOF POTENTIAL			
$\text{Max. AOF} = \frac{Q_g P_o^2}{P_o^2 - P_i^2} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\left[\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right) \right]} = \left(\frac{\quad}{\quad} \right) = \dots\dots\dots \text{MCF/D}$			
$\text{Min. AOF} = \frac{Q_g P_o}{\sqrt{P_o^2 - P_i^2}} = \frac{\left(\frac{\quad}{\quad} \right) \left(\frac{\quad}{\quad} \right)}{\sqrt{\left(\frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} \right)}} = \left(\frac{\quad}{\quad} \right) = \dots\dots\dots \text{MCF/D}$			
ESTIMATED RANGE OF AOF POTENTIAL, DAMAGE REMOVED			
$\text{Max. AOF}_i = [\text{Max. AOF}] [\text{D.R.}] = \left(\quad \right) \left(\quad \right) = \dots\dots\dots \text{MCF/D}$			
$\text{Min. AOF}_i = [\text{Min. AOF}] [\text{D.R.}] = \left(\quad \right) \left(\quad \right) = \dots\dots\dots \text{MCF/D}$			
$\text{Drawdown Factor} = \frac{\text{ISIP} - \text{FSIP}}{\text{ISIP}} \times 100 = \frac{\left(\quad \right) - \left(\quad \right)}{\left(\quad \right)} \times 100 = \dots\dots\dots \%$			
4% to 5% is considered serious or substantial			
$\text{Potentiometric Surface} = H_o = Z + \frac{P_o}{W} H_o = \frac{\quad}{\quad} + \left(\frac{\quad}{\quad} \right) = \dots\dots\dots \pm \dots\dots\dots \text{ft.}$			

** FILE NOTATIONS **

DATE: Jan 20, 1981OPERATOR: Amoco Production CompanyWELL NO: Island Ranching "D" #1Location: Sec. 14 T. 4N R. 7E County: SummitFile Prepared: ☐Entered on N.I.D: ☐Card Indexed: ☐Completion Sheet: ☐API Number 43-043-30161CHECKED BY:Petroleum Engineer: M. J. Winder 1-26-81

Director: _____

Administrative Aide: C-3: ok on ^(w) boundary, check on (N) boundary.
ok on oil wells; check ok on location of GW: 1313 FNL (41259' FEL(SEC 23,
4N
7E)APPROVAL LETTER:Bond Required: ☐Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☒Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐Lease Designation FeePlotted on Map ☒Approval Letter Written ☒Hot Line ☒P.I. ☒

January 29, 1981

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching "D" #1
Sec. 14, T. 4N, R. 7E
Summit County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001


Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (Aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30161.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

/ko



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 15, 1981

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84078

Re: See Attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

CARI FURSE
CLERK TYPIST

WELL # Louisiana Land & Exploration Federal 1-34
Sec. 34, T. 8N, R. 6E, NE SE
Rich County, Utah

Well # Champlin 55-1 Amoco "B" #1
Sec. 33, T. 3N, R. 4E
Summit County, Utah

Well No. State of Utah "S" #1
Sec. 30, T. 3N, R. 7E, NW SW
Summit County, Utah

Well No. Howell Livestock "B" #1
Sec. 6, T. 3N, R. 8E
Summit County, Utah

Well No. Island Ranching "D" #1
Sec 14, T. 4N, R. 7E
Summit County, Utah

Well No. Island Ranching "E" #1
Sec 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 458 Amoco "D" #4
Sec 29, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU # 1
Sec, 31, T. 4N, R. 8E
Summit County, Utah

Well No. Champlin 458 "E" WIU #2
Sec. 31, T. 4N, R. 8E
Summit County, Utah

Well No. Island Ranching "E" #2
Sec. 36, T. 4N, R. 7E
Summit County, Utah

Well No. Champlin 846- Amoco "B" 1
Sec. 19, T. 5N, R. 8E
Summit County, Utah

Well No. M.A. SMith #2
Sec. 16, T. 3S, R. 10W
Wasatch County

Well No. Island Ranching #C 1
Sec. 26, T. 4N, R. 7E
Summit County

Well No. Thousand Peaks Ranching WIU #1
Sec. 32, T. 4N, R. 8E
Summit Cou-nty, Utah

006

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 886' FNL & 850' FWL		8. FARM OR LEASE NAME Island Ranching "D"
14. PERMIT NO. 43-043-30161		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7379' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T4N, R7E
		12. COUNTY OR PARISH Summit
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	REPORT OF OPERATIONS	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spud Date: April 9, 1981
Drilling Contractor: Chase, Rig #5

Amoco Production Company requests that the subject well be held as a "Tight Hole" and effective immediately, all information relating thereto be withdrawn from public file.

RECEIVED
JAN 14 1982
DIVISION OF
OIL, GAS & MINING
1-5-82

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Administrative Supervisor

DATE

1-5-82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 12, 1982

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching "D" #1
Sec. 14, T. 4N, R. 7E.
Summit County, Utah
(May 1981- April 1982)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

** If we do not hear from your office within fourteen days, this file will be turned over to the attorney at the Division of Oil, Gas, and Mining for legal action.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

008

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Box 17675 Salt Lake City, Utah 84117		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 886' FNL & 850' FWL		8. FARM OR LEASE NAME Island Ranching "D"	
14. PERMIT NO. 43-043-30161		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7379' GR		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T4N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐REPORT OF OPERATIONS ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Amoco Production Company hereby advises that the following work has been performed on the subject well:

Spud: 4-9-81

Rig Released: 3-30-82

TD: 18,810'

Casing Set:

20" SA 2031'

13 3/8" SA 7066'

9 5/8" SA 13,444'

7" SA 17,380'

5" SA 18,810'

Current Status: Perforating
Prep to run DST'sTIGHT
HOLE

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Administrative Supervisor

DATE 5-20-82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 3, 1983

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. Island Ranching "D" # 1
Sec. 14, T. 4N, R. 7E.
Summit County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

010

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DATE*

JUL 07 1983

(See other in-
structions on
reverse side)

Fee

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Island Ranch "D"

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Anschutz Ranch

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 14, T4N, R7E

12. COUNTY OR
PARISH
Summit13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 829 Evanston, WY 82930

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

849.5' FWL, 886' FNL

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-043-30161

DATE ISSUED

1-29-81

15. DATE SPUDDED

4-9-81

16. DATE T.D. REACHED

3-19-82

17. DATE COMPL. (Ready to prod.)

11-7-82

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

7401' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

18,810'

21. PLUG, BACK T.D., MD & TVD

7500' MD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

Rotary Tools

CABLE TOOLS

Surf. to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

14,288' - 400' (MD) - Weber formation

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, DLE, FDC-CNL, Dipmeter/Cyberdip, Sonic, Temp., Tracer, CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	166	2032'	26"	3900sx G, 50/50POZ, 1100sx,	-
13-3/8"	72,88	7067'	17-1/2"	4273sx G Cmt. G Cmt.	-
9-3/4", 9-5/8"	43-59.2	13,444'	12-1/4"	4400sx G Cmt.	-
7-5/8"	23-33.7	17,380'	8-1/2"	2300 sx G Cmt.	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5"	16920'	18810'	225 G		2-7/8"	7373	-----

31. PERFORATION RECORD (Interval, size and number)

7580'-674' sqz. 14288-400'
 7800'-920' sqz. 15869-16029'
 8335-390' sqz. 16419-524'
 13540-678' 16959-974'
 17897-910' 18194-244'
 18424-484'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
18,424'-482'	3,000 gal of 15% HCl (52 gal/ft)
18,200'-250'	5,000 qa; pf 15% HCl (100 gal/ft)
17,905'-918'	NONE
16,970'-985'	NONE

33.*

PRODUCTION

DATE FIRST PRODUCTION 7-12-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-1-82	8-1/2"	32/64"	→	37	1198	54	32,400
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1000 psi	0	→	105	3,400	152	50:7	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold

TEST WITNESSED BY

Dave Hildreth

35. LIST OF ATTACHMENTS

Attachment A, Attachment B

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

DATE

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Weber	14205	14953	Sour Gas (9.4% H ₂ S)

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	VERT. DEPTH
Salt	5,490'		
Twin Creek	6,648'		
Nugget	8,565'		
Ankareh	9,774'		
Thaynes	10,925'		
Woodside	12,444'		
Dinwoody	13,295'		
Phosphoria	13,540'		
Weber	14,205'		
Ansdan	14,953'		
Masn Chym	15,864'		
Lodgepole	16,838'		
Three Forks	17,815'		
Jefferson	18,086'		
Big Horn	18,416'		
Subthrust	18,530'		

ATTACHMENT A

Continuation of Acidized Intervals

- #5 16,435'-445', 16,494'-510', 16,520'-540'
NONE
- #6 15,890'-920', 15,950'-960', 16,000'-050'
4,500 gal of 28% HCl (50 gal/ft)
- #7 14,186'-200', 14,288'-300', 14,312'-322', 14,334'-344'
- #1) 3,550 gal of 15% HCl (50 gal/ft)
#2) 2,850 gal of 15% HCl (50 gal/ft)
#3) 1,000 gal of 7-1/2% HCl (15 gal/ft)
- #8 13,540'-564', 13,614'-638', 13,654'-678'
NONE
- #9 8,335'-390'
8,250 gal of 28% HCl (150 gal/ft)
- #10 7,800'-850', 7,900'-920'
10,500 gal of 28% HCl (150 gal/ft)
- #11 7,580'-614', 7,644'-674'
10,000 gal of 28% HCl (150 gal/ft)

ATTACHMENT B

Squeeze Cementing

<u>Depth Interval</u>	<u>Amount and Kind of Material</u>
18,424-484'	Cmt. Ret SA 18,400'
18,194-244'	C1BP w/ 2sx cmt SA 17,960'
17,897-910'	C1BP w/ 2sx cmt SA 17,810'
16,959-974'	C1BP w/ 2sx cmt SA 16,720'
16,419-524'	C1BP w/ 2sx cmt SA 16,130'
15,869-16029'	C1BP w/ 2sx cmt SA 14,480'
14,398-400'	Squeezed w/ 150 sx of cmt.
14,312-322'	Squeezed w/ 190 sx of cmt.
14,288-300'	Squeezed w/ 190 sx cmt.
14,230-236'	Squeezed w/ 190 sx cmt.
14,186-200'	Squeezed w/ 195 sx cmt.
14,098-100'	Squeezed w/ 150 sx cmt.
13,722-24'	Squeezed w/ 100 sx cmt.
13,477-79'	Squeezed w/ 100 sx cmt.
13,540-678'	C1BP w/ 2 sx cmt SA
8,500-02'	Squeezed w/ 275 sx cmt.
8,335-390'	Squeezed w/ 500 sx cmt.
8,230-34'	Squeezed w/ 100 sx cmt.
7,800-920'	Squeezed w/ 900 sx cmt.
7,740-42'	Squeezed w/ 185 sx cmt.
7,580-674'	Spueezed w/ 500 ex cmt.
7,540-42'	Squeezed w/ 64 sx cmt.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 8, 1983

011

Amoco Production Company
501 Airport Drive
Farmington, New Mexico 87401

RE: See Attached Sheet

Gentlemen:

According to our records, "Well Completion Reports" filed with this office May 18, 1983, and July 1, 1983, from the above referred to wells, indicate the following electric logs were run: Lucky Flats #1 DIL-GR-SP, FDC, CNL-GR-Caliper, Dipmeter and Frac Finder BHC Sonic-GR; Champlin 432 Amoco "C" #1 DIL, DLL/CBL, CNL-FDL, Dipmeter, Cyberdip, Directional, Sonic; and Island Ranch "D": DIL, DLL, FDC-CNL, Dipmeter/Cyberdip, Sonic, Temp., Tracer, CBL. As of today's date, this office has not received these logs: Lucky Flats #1 all; Champlin 432 Amoco "C" Dipmeter, Cyberdip, Directional; and Island Ranch "D" DIL, runs 1-4 DLL, runs 1-4 FDC-CNL, Dipmeter/Cyberdip, runs 1-4 Sonic.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Claudia Jones
Well Records Specialist

CJ/cj

Attachment

Well No. Lucky Flats #1
API # 43-015-30122
Sec. 27, T. 17S, R. 12E.
Emery County, Utah

Well No. Champlin 432 Amoco "C" #1
API # 43-029-30011
Sec. 1, T. 6N, R. 5E.
Morgan County, Utah

Well No. Island Ranch "D" #1
API # 43-043-30161
Sec. 14, T. 4N, R. 7E.
Summit County, Utah



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

012

January 4, 1984

Amoco Production Co.
1013 Cheyenne Dr.
Evanston, WY 82930

2nd NOTICE

RE: Well No. Island Ranching
"D" #1
API #43-043-30161
Sec. 14, T. 4N, R. 7E.
Summit County, Utah

Gentlemen:

Our office contacted you on November 8, 1983 requesting that you send in the electric logs for the above referred to well.

According to our records, a "Well Completion Report" filed with this office July 1, 1983 from above referred to well, indicates the following electric logs were run: SIL, DLL, FDC-CNL, Dipmeter/Cyberdip, Sonic, Temp., Tracer, and CBL. As of of todays date, this office has not received these logs: DIL, DLL (Runs 1-4), FDC-CNL (Runs 1-4), Dipmeter/Cyberdip, and Sonic (Runs 1-4).

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

****You are in violation of the above rule.** If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to this matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.

Respectfully,

Claudia Jones
Well Records Specialist

CJ/cj



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 10, 1985

Amoco Production Company
P O Box 829
Evanston, Wyoming 82930

Gentlemen:

Re: Well No. Island Ranching "D" #1 - Sec. 14, T. 4N., R. 7E.
Summit County, Utah - API #43-043-30161

On the enclosed Sundry Notice it was indicated that you were preparing to run DST's on the above referred to well. This office has not received copies of any DST reports or results.

Please notify this office if these were run and submit a copy as soon as possible but not later than February 10, 1985.

Thank you for your cooperation in this matter.

Sincerely,

Claudia L. Jones
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

► 0017S/16

**Amoco Production Company**

January 15, 1985

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3, Triad Center, Suite 350
Salt Lake City, Utah 84180

Attn: Claudia Jones
Well Records Specialist

Re: Island Ranching "D" #1
Sec. 14, T4N, R7E
Summit County, Utah
API #43-043-30161

RECEIVED
JAN 17 1985
DIVISION OF
OIL, GAS & MINING

Claudia:

Regarding the above referenced well, only one (1)
DST was run.

A copy of the DST that was run is enclosed for
your records.

If we may be of further assistance please contact
Karen Gollmer of this office at (307) 789-1700 X 2206.

Karen Gollmer
Permitting Department

KG/

enclosure

4

Contractor Chase Drilling Co.
Rig No. 5
Spot NW-NW
Sec. 14
Twp. 4 N
Rng. 7 E
Field Wildcat
County Summit
State Utah
Elevation 7379' "Ground"
Formation Twin Creek

Top Choke 1/4"
Bottom Choke 9/16"
Size Hole 12 1/4"
Size Rat Hole --
Size & Wt. D. P. 5" 20#
Size Wt. Pipe 455' 65#
I. D. of D. C. 2 1/2"
Length of D. C. 648'
Total Depth 7674'
Interval Tested 7580-7674'
Type of Test Bottom Hole
Conventional

Flow No. 1 10 Min.
Shut-in No. 1 60 Min.
Flow No. 2 60 Min.
Shut-in No. 2 120 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 122°F
Mud Weight 8.8
Gravity --
Viscosity --

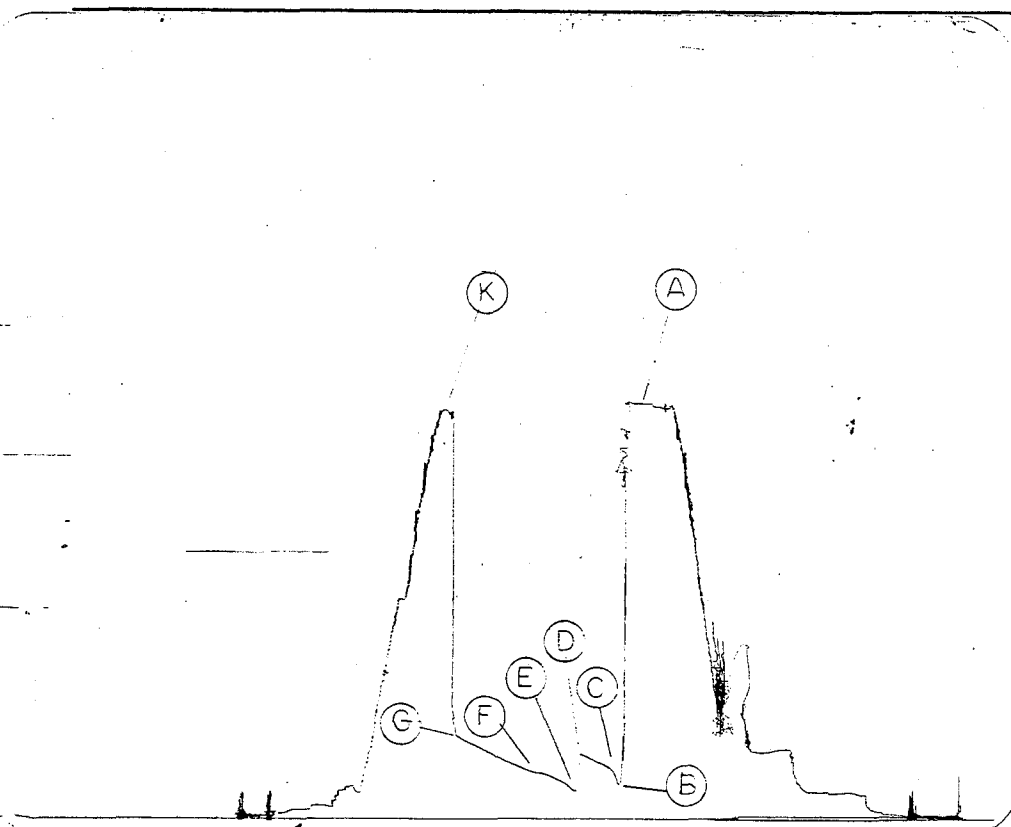
Tool opened @ 1:21 PM

Inside Recorder

PRD Make Kuster AK-1
No. 10237 Cap. 6650 @ 7565'

Press	Corrected
Initial Hydrostatic A	3534
Final Hydrostatic K	3479
Initial Flow B	304
Final Initial Flow C	414
Initial Shut-in D	564
Second Initial Flow E	245
Second Final Flow F	402
Second Shut-in G	723
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist.: Rock Springs, Wyo.
Our Tester: Steve Ogden
Witnessed By: Carl Disel



Did Well Flow - Gas Yes Oil No Water No

RECOVERY IN PIPE: 834' Gas cut drilling mud = 5.3 bbl.

Top Sample R.W.: .6 @ 85°F = 11,500 ppm. Cl.
Middle Sample R.W.: .7 @ 85°F = 7,100 ppm. Cl.
Bottom Sample R.W.: .55 @ 85°F = 9,000 ppm. Cl.

Blow description:

1st flow: Tool opened with a 1" underwater blow; increased to bottom of bucket in 1 minute and continued to increase to 50 psi. at end of flow period. After shut-in gas to surface in 9 minutes. See gas volume report.

2nd flow: Tool opened with a 1" underwater blow; increased to bottom of bucket in 2 minutes and remained thru flow period. See gas volume report.

Operator Amoco Production Co.
P.O. Box 17675
Salt Lake City, Utah 84117

Well Name and No. Island Ranching D #1
Ticket No. 47072 Dec 14
24468

Date 7-27-81

DST No. 1
No. Final Copies 5

WELL NAME: ISLAND RANCHING D #1

DST NUMBER: 001

RECORDER NUMBER: 010237

INTERVAL TESTED: 7580FT TO 7674FT

RECORDER DEPTH: 7565.001FT

TOTAL FLOW TIME: 10.0MIN

FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	414.0
1.0	11.0000	419.0
2.0	6.0000	425.0
3.0	4.3333	429.0
4.0	3.5000	435.0
5.0	3.0000	438.0
6.0	2.6667	440.0
7.0	2.4286	442.0
8.0	2.2500	444.0
9.0	2.1111	448.0
10.0	2.0000	451.0
12.0	1.8333	456.0
14.0	1.7143	461.0
16.0	1.6250	466.0
18.0	1.5556	471.0
20.0	1.5000	476.0
22.0	1.4545	480.0
24.0	1.4167	483.0
26.0	1.3846	488.0
28.0	1.3571	490.0
30.0	1.3333	496.0
35.0	1.2857	507.0
40.0	1.2500	518.0
45.0	1.2222	530.0
50.0	1.2000	542.0
55.0	1.1818	554.0
60.0	1.1667	564.0

Both shut-in pressure build-up curves have been incremented and plotted, but extrapolated pressures have not been made due to insufficient character of the build-up curves.

WELL NAME: ISLAND RANCHING D #1

DST NUMBER: 001

RECORDER NUMBER: 010237

INTERVAL TESTED: 7580FT TO 7674FT

RECORDER DEPTH: 7565.001FT

TOTAL FLOW TIME: 70.0MIN

SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	402.0
1.0	71.0000	403.0
2.0	36.0000	404.0
3.0	24.3333	405.0
4.0	18.5000	407.0
5.0	15.0000	409.0
6.0	12.6667	411.0
7.0	11.0000	413.0
8.0	9.7500	415.0
9.0	8.7778	417.0
10.0	8.0000	419.0
12.0	6.8333	422.0
14.0	6.0000	428.0
16.0	5.3750	432.0
18.0	4.8889	437.0
20.0	4.5000	441.0
22.0	4.1818	447.0
24.0	3.9167	451.0
26.0	3.6923	456.0
28.0	3.5000	461.0
30.0	3.3333	466.0
40.0	2.7500	490.0
50.0	2.4000	515.0
60.0	2.1667	544.0
70.0	2.0000	578.0
80.0	1.8750	608.0
90.0	1.7778	634.0
100.0	1.7000	659.0
110.0	1.6364	689.0
120.0	1.5833	723.0

HORNER PLOT

TEST DATE: 07 27 81

WELL NAME: ISLAND RANCHING D #1

LOCATION:

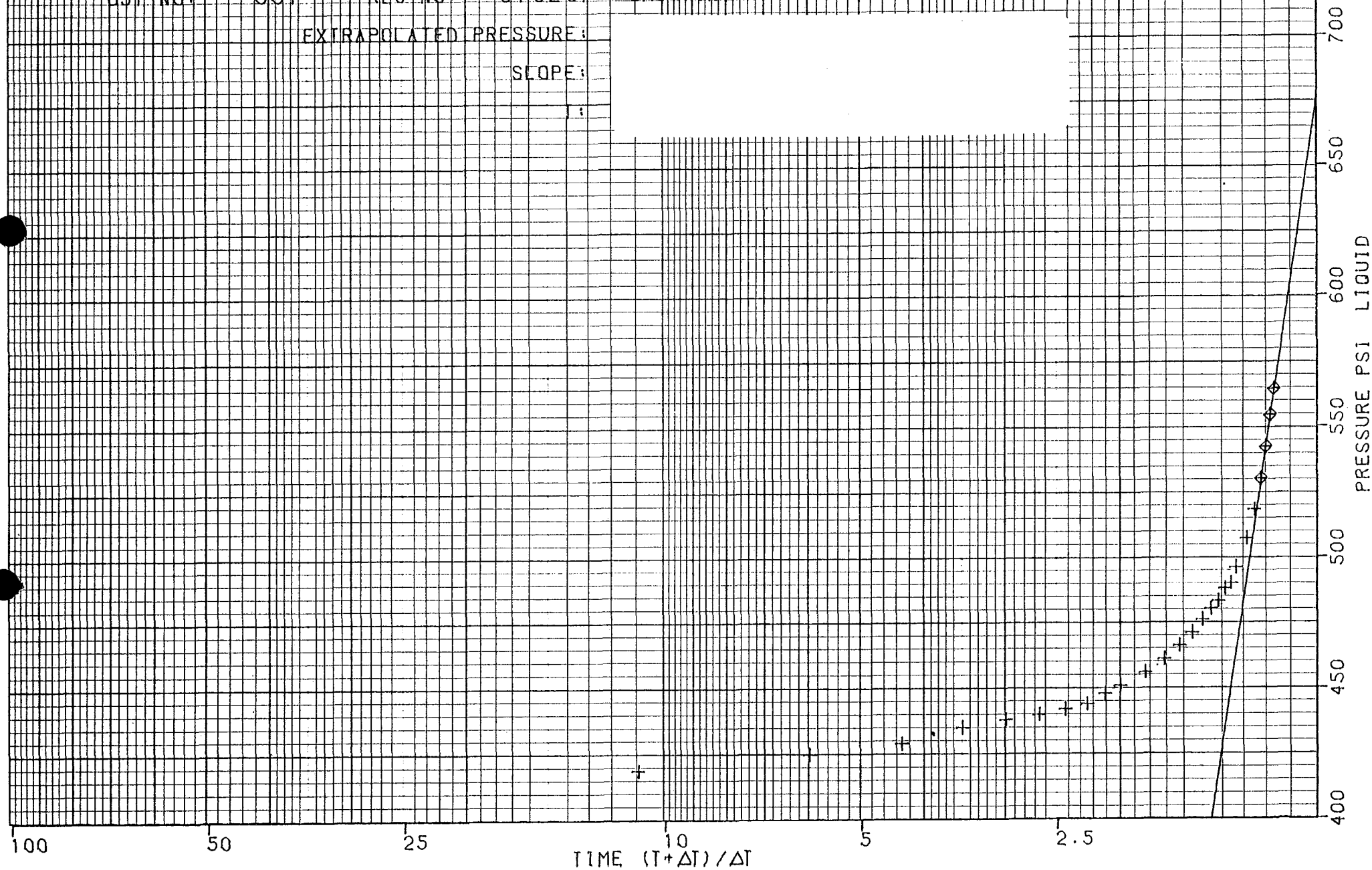
OST-NO: 001

REC-NO: 010237

SHUT-IN: 1

EXTRAPOLATED PRESSURE:

SLOPE:



HORNER PLOT

TEST DATE: 07 27 81

WELL NAME: ISLAND RANCHING D #1

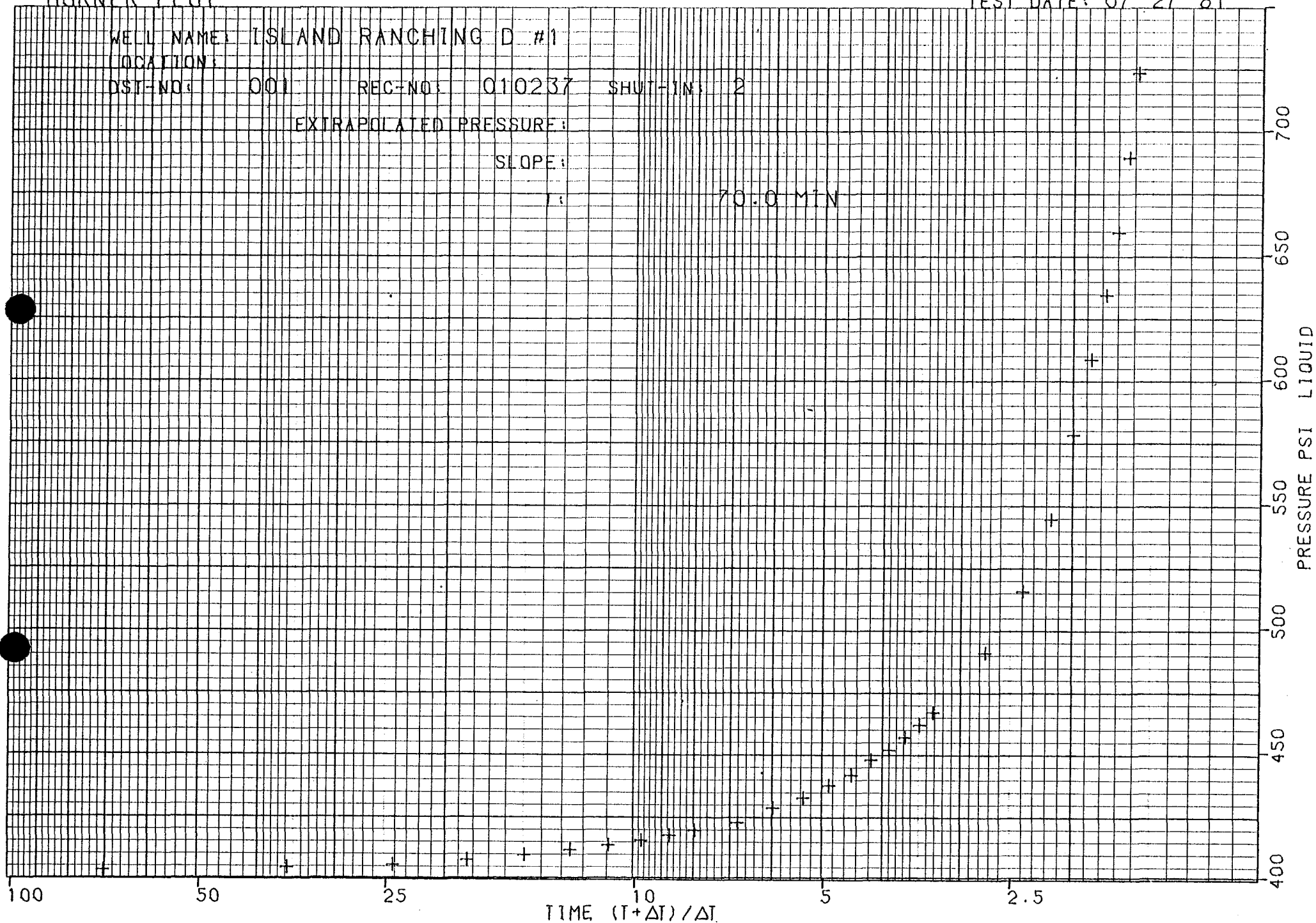
LOCATION:

DST-NO: 001 REC-NO: 010237 SHUT-IN: 2

EXTRAPOLATED PRESSURE:

SLOPE:

70.0 MIN



Gas Volume Report

1

DST No.

[illegible]

Remarks:

LYNES, INC.

Sampler Report

Company Amoco Production Co. Date 7-27-81
Well Name & No. Island Ranching D #1. Ticket No. 24468
County Summit State Utah
Test Interval 7580-7674' DST No. 1

Total Volume of Sampler: 2100 cc.
Total Volume of Sample: 2100 cc.
Pressure in Sampler: 120 psig
Oil: None cc.
Water: None cc.
Mud: 2100 Gas cut mud cc.
Gas: Trace cu. ft.
Other: None

Sample R.W.: .55 @ 85°F = 9000 ppm. Cl.

Resistivity

Make Up Water R.W. 10.0+ @ 78°F of Chloride Content 490 ppm.

Mud Pit Sample R.W. .6 @ 85°F of Chloride Content 11,500 ppm.

Gas/Oil Ratio _____ Gravity _____ °API @ _____ °F

Where was sample drained On location

Remarks: _____

015

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. BOX 829, EVANSTON, WYOMING 82930		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 850' FWL & 886' FNL		8. FARM OR LEASE NAME Island Ranch "D"	
14. PERMIT NO. 43-043-30161		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7401' KB		10. FIELD AND POOL, OR WILDCAT Anschutz Ranch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T4N, R7E	
		12. COUNTY OR PARISH Summit	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well remains shut in due to
lack of market

18. I hereby certify that the foregoing is true and correct

SIGNED *David L. Lyle*TITLE Administrative SupervisorDATE 1-28-87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____



Don F. Crespo, Jr.
Regional Administrative Manager, Production

Amoco Production Company

Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

RECEIVED
JAN 24 1990

January 22, 1990

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

DIVISION OF
OIL, GAS & MINING

File: DDL-2056-980.3

Annual Report of Drilling-Suspended, Shut-In and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule R615-8-10 of the Utah Oil and Gas Conservation General Rules, listed below is the annual status report for wells that have been shut-in or temporarily-abandoned for more than 30 consecutive days as of December 31, 1989. The wells listed are located in Summit County, Utah.

Please note, there were no drilling wells that had suspended drilling operations as of December 31, 1989. Questions regarding well status may be directed to David Lovato at (303) 830-5321.

<u>WELL NAME</u>	<u>API NUMBER</u>	<u>COMMENTS</u>
ARE 081A	43-043-30130	SHUT-IN
ARE E28-06	43-043-30226	SHUT-IN
ARE W12-04	43-043-30283	SHUT-IN
ARE W29-04	43-043-30129	SHUT-IN
CH 387 B1A	43-043-30168	SHUT-IN TWIN CREEK
CH 372 C1	43-043-30143	SHUT-IN TWIN CREEK
CH 372 C1	43-043-30143	SHUT-IN NUGGET
CH 372 D1	43-043-30170	SHUT-IN NUGGET
ISLAND RANCH B1	43-043-30109	SHUT-IN TWIN CREEK
ISLAND RANCH D1#	43-043-30161	SHUT-IN WEBER Sec. 14 T. 4 N. 27 E
AMOCO-CHAMP F & S	43-043-30078	SHUT-IN
CH 544 D1	43-043-30210	P X A (12/89)
CH 544 D2	43-043-30246	P X A (12/89)

D. F. Crespo, Jr.
DMW

DJL/rlt

cc: Bureau of Land Management
324 South State, Suite 301
Salt Lake City, Utah 84111-2303



RECEIVED
FEB 06 1991

Amoco Production Company

Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

Don F. Crespo, Jr.
Regional Administrative Manager. Production DIVISION OF
OIL, GAS & MINING

February 4, 1991

State of Utah
Division of Oil, Gas, and Mining
355 West N. Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

File: DFC-100-980.3

Annual Report of Drilling-suspended,
Shut-in and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general Rules, Listed below is the annual status report for wells that have been shut-in or temporarily-abandoned for more than 30 consecutive days as of December 31, 1990. The wells listed are located in Summit County, Utah.

<u>Well Name</u>	<u>API Number</u>	<u>Comments</u>
Anschutz Ranch East 81A	43-043-30130	Shut-in
Anschutz Ranch East W12-04	43-043-30283	Shut-in
Champlin 387 B1A	43-043-30168	Shut-in (Twin Creek)
Champlin 372 C1	43-043-30143	Shut-in (Twin Creek)
Champlin 372 C1	43-043-30143	Shut-in (Nugget)
Champlin 372 D1	43-043-30170	Shut-in (Nugget)
Island Ranch B1	43-043-30109	Shut-in (Twin Creek)
Island Ranch D1 S14, T4N, R. 7E	43-043-30161	SGW Shut-in (Weber)
Amoco Champlin F & S	43-043-30078	Shut-in
Champlin 544 D1	43-043-30210	P x A (12/89)
Champlin 544 D2	43-043-30246	P x A (12/89)
Champlin 846 Amoco /B/ #1	43-043-30253	Shut-in

Please note that there were no drilling wells that had suspended operations as of December 31, 1990. Questions regarding this report may be directed to James Camargo at (303) 830-4233.

D. F. Crespo, Jr.
:jpc

cc: Bureau of Land Management
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

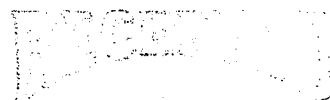
**Amoco Production Company**

Northwestern U.S. Business Unit
Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

February 24, 1992 ✓

State of Utah
Division of Oil, Gas, and Mining
355 W. N. Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

File: GRW-046-980.3



FEB 27 1992

DIVISION OF
OIL & GAS

Annual Report of Drilling - Suspended,
Shut-in and Temporarily-abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general rules, find attached annual status reports for all wells that have been shut-in for more than 30 consecutive days as of December 31, 1991.

Please note that there were no drilling wells on which drilling operations have been suspended for more than 30 consecutive days as of December 31. Also, no wells have been temporarily abandoned for more than 30 consecutive days as of December 31.

G. R. West
Sr. Staff Admin. Supervisor

MAT/jms

Attachments

cc: Bureau of Land Management
324 South State, Suite 301
Salt Lake City, UT 84111-2303

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

9. Well Name and Number

Island Ranching Unit /D/ #1

10. API Well Number

43-043-30161-00

11. Field and Pool, or Wildcat

Anschutz Ranch

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT—for such proposals

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other (specify)

2. Name of Operator

Amoco Production Company

3. Address of Operator

P. O. Box 800, Denver, CO 80201

4. Telephone Number

(303) 830-5105

5. Location of Well

Footage : 886' FNL x 850' FWL

QQ, Sec. T., R., M. : Sec. 14, T4N, R7E

N-W-NW

County : Summit

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above well is in a "Shut-in - Lack of Market" status due to sour gas and lack of available facilities..

We do not see a future change in status at this time.

Please direct any questions regarding this sundry to Marcy Tafoya at (303) 830-5105.

RECEIVED

FEB 27 1992

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

(State Use Only)

Title Sr. Staff Adm. Supvr.

Date

2/24/92



Amoco Production Company

Northwestern U.S. Business Unit
Amoco Building
1670 Broadway
Post Office Box 800
Denver, Colorado 80201
303-830-4040

February 1, 1993

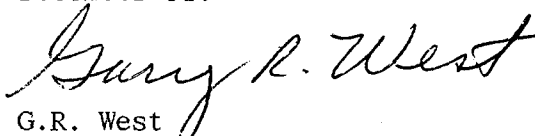
State of Utah
Division of Oil, Gas, and Mining
355 W. N. Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

File: GRW-023-980.3

Annual Report of Drilling - Suspended,
Shut-In and Temporarily-Abandoned Wells

As operator of the Anschutz Ranch East Operation Center and in accordance with Rule 615-8-10 of the Utah Oil and Gas Conservation general rules, find attached annual status reports for all wells that have been shut-in for more than 30 consecutive days as of December 31, 1992.

Please note that there were no drilling wells on which drilling operations have been suspended for more than 30 consecutive days as of December 31. Also, no wells have been temporarily abandoned for more than 30 consecutive days as of December 31.


G.R. West
Sr. Staff Admin. Supervisor

MAT/ml1

Attachments

cc: Bureau of Land Management
324 South State, Suite 301
Salt Lake City, UT 84111-2303

RECEIVED

FEB 03 1993

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

10-19

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:	5. Lease Designation and Serial Number:
2. Name of Operator: Amoco Production Company	6. If Indian, Allottee or Tribe Name:
3. Address and Telephone Number: P.O. Box 800, Denver, CO 80201	7. Unit Agreement Name:
4. Location of Well Footages: 866' FNL x 850' FWL QQ, Sec., T., R., M.: NW1/4 Sec. 14-T4N-R7E	8. Well Name and Number: Island Ranching Unit/d/#1
	9. API Well Number: 43-043-30161-00
	10. Field and Pool, or Wildcat: Anschutz Ranch
	County: Summit State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above well is in a "Shut-in-Lack of Market" status due to sour gas and lack of available facilities.

We do not see a future change in status at this time.

The installation of UPRC's Wasach Gathering System could provide an outlet for Sour gas in this area.

Please direct any questions regarding this sundry to Marcy Tafuya at (303)830-5105.

13.

Name & Signature: Gary R. WestTitle: Sr. Staff Adm. Supervsr. Date: 2/1/93

(This space for State use only)

RECEIVED

FEB 03 1993

DIVISION OF
OIL GAS & MINING

Craig L. Wiggs
ARE/Painter Resource Manager
Western U.S. Gas Business Unit

BP Amoco



BP Amoco Exploration
501 WestLake Park Boulevard
Houston, Texas 77079
Telephone: (281) 366-5486
Facsimile: (281) 366-7937

June 14, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

6/14/99

Attn: Mr. Robert J. Krueger

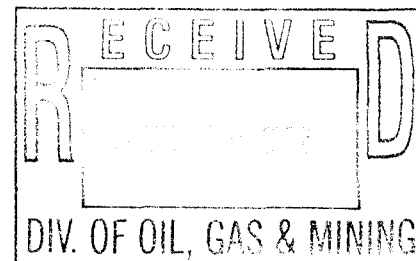
Re: Shut-in and Temporarily Abandoned Wells Compliance Review

Dear Sir,

BP Amoco is in receipt of your letter dated February 23, 1999 concerning 4 shut-in or temporarily abandoned wells in the state of Utah. Apparently this letter was lost during the closure of our Denver office and the move to Houston. I apologize for the late reply. A short summary of the status of each well follows:

Island Ranching Well D1 (API #43-043-30161): This well was drilled in 1982 and discovered to have relatively low volumes of sour gas. BP Amoco have been holding the well to see if adequate volumes of sour gas can be found in the area to justify installation of a sour gas pipeline to a sour gas plant. Anschutz Corporation have been actively exploring in the area, and BP Amoco have recently farmed out acreage in the vicinity of this well to the Anschutz Corporation. BP Amoco are investigating the timing of any recent wellbore integrity tests and will submit the necessary Sundry Notice as required to ensure compliance for this wellbore.

Champlin 458 (API #43-043-30130): This well appears to have been permanently or temporarily abandoned. BP Amoco are investigating our files and will ensure the proper paperwork has been completed to abandon this well.

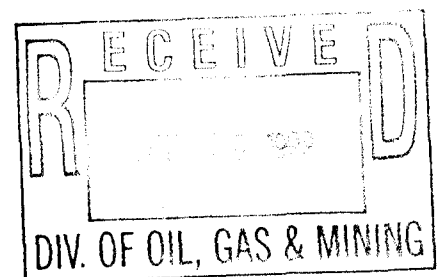


BP Amoco



FACSIMILE TRANSMISSION

To: State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801 Attn: Mr. Robert J. Krueger	From: Craig Wiggs BP Amoco Exploration Western U.S. Gas Business Unit P.O. Box 3092 Houston, Texas 77253-3092 Telephone: 281-366-5486 Reply Fax: 281-366-7937
Fax No.: 801-359-3940	
Date: June 14, 1999	No. of Pages Including Cover: 3



This communication is intended for the use of the party to which it is addressed and may contain information that is privileged or confidential under applicable law. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is not permitted. If you have received this communication in error, please notify us immediately and then destroy this communication. Thank you.

i:\hathaway.doc

Mr. Robert J. Krueger
State of Utah - Department of Natural Resources
Division of Oil, Gas, and Mining
Page two -

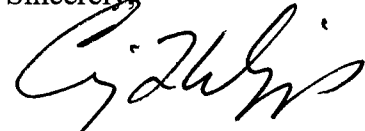
Champlin 372 C1 (API #43-043-30143): This well was sidetracked in 1998, and has been producing recently into the Questar pipeline system. The well does produce with a relatively high nitrogen content, and is periodically shut-in due to pipeline constraints. BP Amoco plan to route this well into the Anschutz Ranch East NGL/NRU Plant in 1999 to remove the nitrogen and produce the well on a continuous basis.

TPC State 23-36-14-24 (API #43-047-32593): This well was sold by Amoco, and it is currently owned and operated by Ratomco in Billings, MT.

Given our recent move to Houston, Texas and the merger of BP and Amoco, we have a number of new personnel and filing systems. Once all details are determined concerning the Island Ranching D1 and Champlin 458 wells, proper sundries will be forwarded to your office.

If you have any further questions or comments concerning these wells, please contact me at 281-366-5486 in Houston.

Sincerely,



Craig L. Wiggs

CLW:bh

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

See Attached

8. WELL NAME and NUMBER:

See Attached

9. API NUMBER:

Attached

10. FIELD AND POOL, OR WILDCAT:

See Attached

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER See Attached

2. NAME OF OPERATOR:

Amoco Production Company

3. ADDRESS OF OPERATOR:

501 Westlake Park Blvd, CITY Houston

STATE TX

ZIP 77079

PHONE NUMBER:

(281) 366-5328

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: Operator Name Change

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Amoco Production Company proposes to change its name to BP America Production Company, effective December 31, 2001. Mailing addresses and designated agents shall remain the same.

Attached to this sundry is a listing of wells currently operated by Amoco Production Company. This list includes all wells with the exception of those wells which have a plugged or D&A status.

Also attached for the Board's file is a copy of the Board Resolution approving the name change.

NAME (PLEASE PRINT) Alan Wood

TITLE Regulatory Engineer

SIGNATURE [Signature]

DATE 12/11/2001

(This space for State use only)

RECEIVED

DEC 13 2001

DIVISION OF
OIL, GAS AND MINING

UNITED STATES OF AMERICA
STATE OF TEXAS
COUNTY OF HARRIS
CITY OF HOUSTON

§
§
§
§

CERTIFICATE

M. S. Haskins, of lawful age, first being duly sworn on oath, deposes and says:

1. That she is the duly elected, qualified and acting Assistant Secretary of Amoco Production Company, a corporation organized and existing under the laws of the State of Delaware, U.S.A.;

2. That on November 12, 2001, by consent action of the Board of Directors of Amoco Production Company (hereinafter referred to as "Company"), the following resolutions were adopted:

WHEREAS, in connection with BP America Inc.'s ("BP") integration of Atlantic Richfield Company ("ARCO") and Vastar Resources, Inc. ("Vastar"), BP has elected to reorganize, consolidate and merge its upstream onshore Lower 48 assets into a single legal entity to align BP's legal structure with its business organization and to improve operating efficiencies; and

WHEREAS, BP desires Amoco Production Company ("Company") to be such single legal entity for the purposes of such reorganization, consolidation and merger; and

WHEREAS such reorganization, consolidation and merger shall be accomplished by December 31, 2001 pursuant to a Reorganization Agreement ("Agreement") by and between ARCO and BP Company North America Inc. ("BP Company NA"), the parent of Company, resulting in ARCO's upstream onshore Lower 48 assets being transferred to Company and Vastar being merged into Company; and

WHEREAS, pursuant to such Agreement, asset, stock and liability transfers will occur in consideration for Class B common stock of BP Company NA and Company's agreement to assume all obligations and indemnify ARCO for all past and future liabilities relating to such transfers; and

WHEREAS, in connection with such reorganization, Company desires to change its name to BP America Production Company, effective December 31, 2001 with corporate seal as follows; and



WHEREAS all officers and directors of Company will remain unchanged.

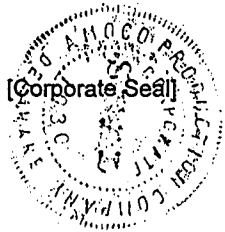
NOW, THEREFORE, BE IT,

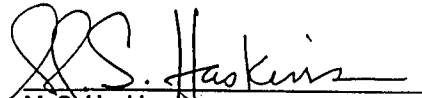
RESOLVED, Company will accept asset, stock and liability transfers effective December 31, 2001 pursuant to the Agreement and will assume all obligations and indemnify ARCO for all past or future liabilities relating to such transfers.

FURTHER RESOLVED, Company will change its name and corporate seal to BP America Production Company, effective December 31, 2001 and all officers and directors will remain unchanged.

3. That the aforesaid resolutions have not been amended, rescinded, or annulled, but remain in full force and effect on the date hereof.

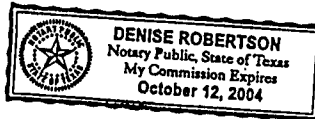
EXECUTED in the City of Houston, State of Texas, on this the 13 day of November, 2001.




M. S. Haskins

SUBSCRIBED and sworn to before me this 13 day of November, 2001.

(Notary Seal)




NOTARY PUBLIC, STATE OF TEXAS

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	Sec	Twp-Rng
43-043-30096-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30106-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST 34-2	SWD	Active Well	ANSCHUTZ RANCH EAST	34	4N-7E
43-043-30123-00-00	AMOCO PRODUCTION CO	ARE W20-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30129-00-00	AMOCO PRODUCTION CO	ARE 29-04ST1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30130-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST E21-14	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30135-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W21-04	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	21	4N-8E
43-043-30136-00-00	AMOCO PRODUCTION CO	ARE W29-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30138-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W16-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	16	4N-8E
43-043-30139-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING C-1	SWD	Active Well	ANSCHUTZ RANCH EAST	26	4N-7E
43-043-30143-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 AMOCO C 1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30145-00-00	AMOCO PRODUCTION CO	ARE W20-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30148-00-00	AMOCO PRODUCTION CO	ARE W20-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30154-00-00	AMOCO PRODUCTION CO	ARE W29-12	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	29	4N-8E
43-043-30156-00-00	AMOCO PRODUCTION CO	ARE W30-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30157-00-00	AMOCO PRODUCTION CO	ARE W36-16	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30159-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W20-06	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	20	4N-8E
43-043-30161-00-00	AMOCO PRODUCTION CO	ISLAND RANCHING D-1	Gas Well	Shut_In	WEBER FORMATION	14	4N-7E
43-043-30162-00-00	AMOCO PRODUCTION CO	ARE W32-04	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	32	4N-8E
43-043-30164-00-00	AMOCO PRODUCTION CO	ARE W31-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30165-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-04 E	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30167-00-00	AMOCO PRODUCTION CO	ARE W36-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	36	4N-7E
43-043-30168-00-00	AMOCO PRODUCTION CO	CHAMPLIN 387 B1A	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	9	3N-7E
43-043-30170-00-00	AMOCO PRODUCTION CO	CHAMPLIN 372 D-1	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	23	4N-7E
43-043-30176-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W17-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	17	4N-8E
43-043-30183-00-00	AMOCO PRODUCTION CO	ARE W30-08	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30185-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W30-14	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30188-00-00	AMOCO PRODUCTION CO	ARE W01-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30190-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W31-12	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30204-00-00	AMOCO PRODUCTION CO	ANSCHUTZ RANCH EAST W19-16	Gas Well	Shut_In	ANSCHUTZ RANCH EAST	19	4N-8E
43-043-30209-00-00	AMOCO PRODUCTION CO	ARE W1-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	1	3N-7E
43-043-30215-00-00	AMOCO PRODUCTION CO	ARE W30-10	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30216-00-00	AMOCO PRODUCTION CO	ARE W30-15	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E
43-043-30217-00-00	AMOCO PRODUCTION CO	ARE W31-06	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	31	4N-8E
43-043-30218-00-00	AMOCO PRODUCTION CO	ARE W30-02	Gas Well	Producing Well	ANSCHUTZ RANCH EAST	30	4N-8E

Page 2 of 6

1. GLH		4-KAS
2. CDW ✓		5-LP
3. JLT		6-FILE

021 Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001**

FROM: (Old Operator):
AMOCO PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON, TX 77079
Phone: 1-(281)-366-5328
Account N0050

TO: (New Operator):
BP AMERICA PRODUCTION COMPANY
Address: 501 WESTLAKE PARK BLVD
HOUSTON,TX 77079
Phone: 1-(281)-366-5328
Account N1990

CA No.

Unit:

WELL(S)

[illegible]

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12/13/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/13/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 12/14/2001

022

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

n/a

7. UNIT or CA AGREEMENT NAME:

n/a

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER _____

8. WELL NAME and NUMBER:

Island Ranching D-1

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

9. API NUMBER:

4304330161

3. ADDRESS OF OPERATOR:

555 17th St., Ste. 2400 CITY Denver

STATE Co

ZIP 80202

PHONE NUMBER:

(303) 298-1000

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 850' FWL and 886' FNL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 11/01/02, BP turned over operations of the subject well to Anschutz.
The well was drilled and completed in November 1982 and is currently temporarily abandoned.

Old Operator:

BP America Production Co.
1013 Cheyenne Dr., Ste. A
Evanston, WY 82930
Phone: 303/423-5749

New Operator:

Anschutz Exploration Corporation
555 17th St., Ste. 2400
Denver, Co 80202
Phone: 303/298-1000

Anschutz' Waste Management Plan for 2003 for this well, is attached.
Current Bond information for Anschutz: No. 104253, Blanket Oil & Gas Bond

NAME (PLEASE PRINT) James Oursland

TITLE Operations Manager

SIGNATURE

DATE

4/11/03

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APR 14 2003

DIV. OF OIL, GAS & MINING

023

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: BP AMERICA PRODUCTION COMPANY SUITE A <i>N 1990</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 1013 CHEYENNE DR. CITY EVANSTON STATE WY ZIP 82930		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (303) 423-5749		8. WELL NAME and NUMBER: Island Ranching D-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 850 FWL, 886' FNL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 14 4N 7E		9. API NUMBER: 4304330161
		10. FIELD AND POOL, OR WILDCAT: ANSCHUTZ RANCH
		COUNTY: SUMMIT
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/1/2002	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective November 1, 2002 BP America Production Company turned over operations of the subject well to Anschutz Exploration Corporation. The well was drilled and completed in November 1982 and is shut in at this time.

New Operator:
Anschutz Exploration Corp.
555 17th Street, Suite 2400
Denver CO 80 80202
Phone: 303-298-1000Old Operator:
BP America Production Company
1013 Cheyenne Drive, Suite A
Evanston WY 82930
Phone: 303-423-5749

Please call Kris Lee at 303-423-5749 if you have questions on this sundry.

NAME (PLEASE PRINT) <u>Kristina A. Lee</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE <u>Kristina A. Lee</u>	DATE <u>4/16/2003</u>

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APR 21 2003
DIV. OF OIL, GAS & MINING



EXPLORATION CORPORATION

555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

April 29, 2003

Utah Division of Oil, Gas and Mining
1592 West North Temple, Suite 210
Box 145801
Salt Lake City, UT 84114-5801

RE: Sundry Notice
Island Ranching D-1 (API 4304330161)
Operator Change

Gentlemen:

Attached please find the original Sundry Notice for Operator Change on the Island Ranching D-1 Well in Summit County.

Thank you for your cooperation in the handling of this matter.

Sincerely,

DeVon M. Pester
Operations Technician

/dp
Enclosure

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APR 30 2003

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

n/a

7. UNIT or CA AGREEMENT NAME:

n/a

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

8. WELL NAME and NUMBER:

Island Ranching D-1

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

N 7940

9. API NUMBER:

4304330161

3. ADDRESS OF OPERATOR:

555 17th St., Ste. 2400 CITY Denver

STATE Co

ZIP

80202

PHONE NUMBER:

(303) 298-1000

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 915' FNL AND 877' FWL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 11/01/02, BP turned over operations of the subject well to Anschutz.

The well was drilled and completed in November 1982 and is currently temporarily abandoned.

Old Operator:

BP America Production Co.
1013 Cheyenne Dr., Ste. A
Evanston, WY 82930
Phone: 303/423-5749

New Operator:

Anschutz Exploration Corporation
555 17th St., Ste. 2400
Denver, Co 80202
Phone: 303/298-1000

Anschutz' Waste Management Plan for 2003 for this well, is attached.

Current Bond information for Anschutz: No. 104253, Blanket Oil & Gas Bond

NAME (PLEASE PRINT) James Oursland

TITLE Operations Manager

SIGNATURE

DATE

4-29-03

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APR 30 2003

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	TO: (New Operator):
BP AMERICA PRODUCTION COMPANY	ANSCHUTZ EXPLORATION CORPORATION
Address: 1013 CHEYENNE DR, SUITE A	Address: 555 17TH ST, SUITE 2400
EVANSTON, WY 82930	DENVER, CO 80202
Phone: 1-(303) 423-5749	Phone: 1-(303) 298-1000
Account No. N1990	Account No. N7940

CA No.

Unit:

WELL(S)

[illegible]

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 04/21/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: _____ 04/30/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 05/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1242619-0143
5. If **NO**, the operator was contacted contacted on:

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-n/a BIA- n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 05/06/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 05/07/2003
3. Bond information entered in RBDMS on: 05/07/2003
4. Fee wells attached to bond in RBDMS on: 05/07/2003

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 10-42-53
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 05/07/2003

COMMENTS:



555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

May 13, 2003

Via Fed EX Priority Overnight

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Attn: Lisha Cordova

Re: APD-Island Ranching D#1
T4N-R7E, Sec. 14
Summit Co, Utah

Lisha:

Per our conversation of today enclosed please amended Application for Permit to Drill in duplicate, which reflects the corrected bottom-hole location. As we discussed the surface location shown on the Application is the surface location the referenced well was actually drilled on.

Your help in processing our application quickly would be most appreciated as we have a rig that came available and is waiting on us.

Sincerely,

Pamela S. Kalstrom
Land Manager, CPL-ESA
Anschutz Exploration Corporation
pamkalstrom@tac-denver.com
303-299-1219

PSK/jp

enclosure

RECEIVED

MAY 14 2003

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

025

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: Fee		6. SURFACE: Fee	
1A. TYPE OF WORK: DRILL <input type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>						7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
8. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>						8. UNIT or CA AGREEMENT NAME: CA-UT02049-85C687	
2. NAME OF OPERATOR: Anschutz Exploration Corporation						9. WELL NAME and NUMBER: Island Ranching D#1	
3. ADDRESS OF OPERATOR: 555 17th St. Ste 2400 CITY Denver STATE CO ZIP 80202				PHONE NUMBER: (303) 299-1219		10. FIELD AND POOL, OR WILDCAT:	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 915' FNL, 877' FWL, T4N-R7E 4547845Y 41.08389 489317X -111.12719 AT PROPOSED PRODUCING ZONE: 1460' FSL, 1405' FWL, T4N-R7E 4547138Y 41.07734 489443X -111.12567						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 14 T4N R7E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approx 3 miles West of Evanston, Wyoming						12. COUNTY: Summit	
						13. STATE: UTAH	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 850'			16. NUMBER OF ACRES IN LEASE: 528.60		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 528.60		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 4500'			19. PROPOSED DEPTH: 14901 14,091		20. BOND DESCRIPTION: Statewide 104253		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):			22. APPROXIMATE DATE WORK WILL START: 6/1/2003		23. ESTIMATED DURATION: 60 days		

24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
	The well will be re-entered and Whipstocked at 12,500' with new casing as follows:		
5-3/4"	3-1/2", L80, Vam Ace 10.2#	7,200'-	+800 sks Class G + Silica Flour
		15,450'	cement will be circulated from the shoe to the liner top

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) <u>Pamela S. Kalstrom</u> SIGNATURE <u>[Signature]</u>	TITLE <u>land mgr</u> DATE <u>5/13/03</u>
---	--

(This space for State use only)

API NUMBER ASSIGNED: 43-043-30161

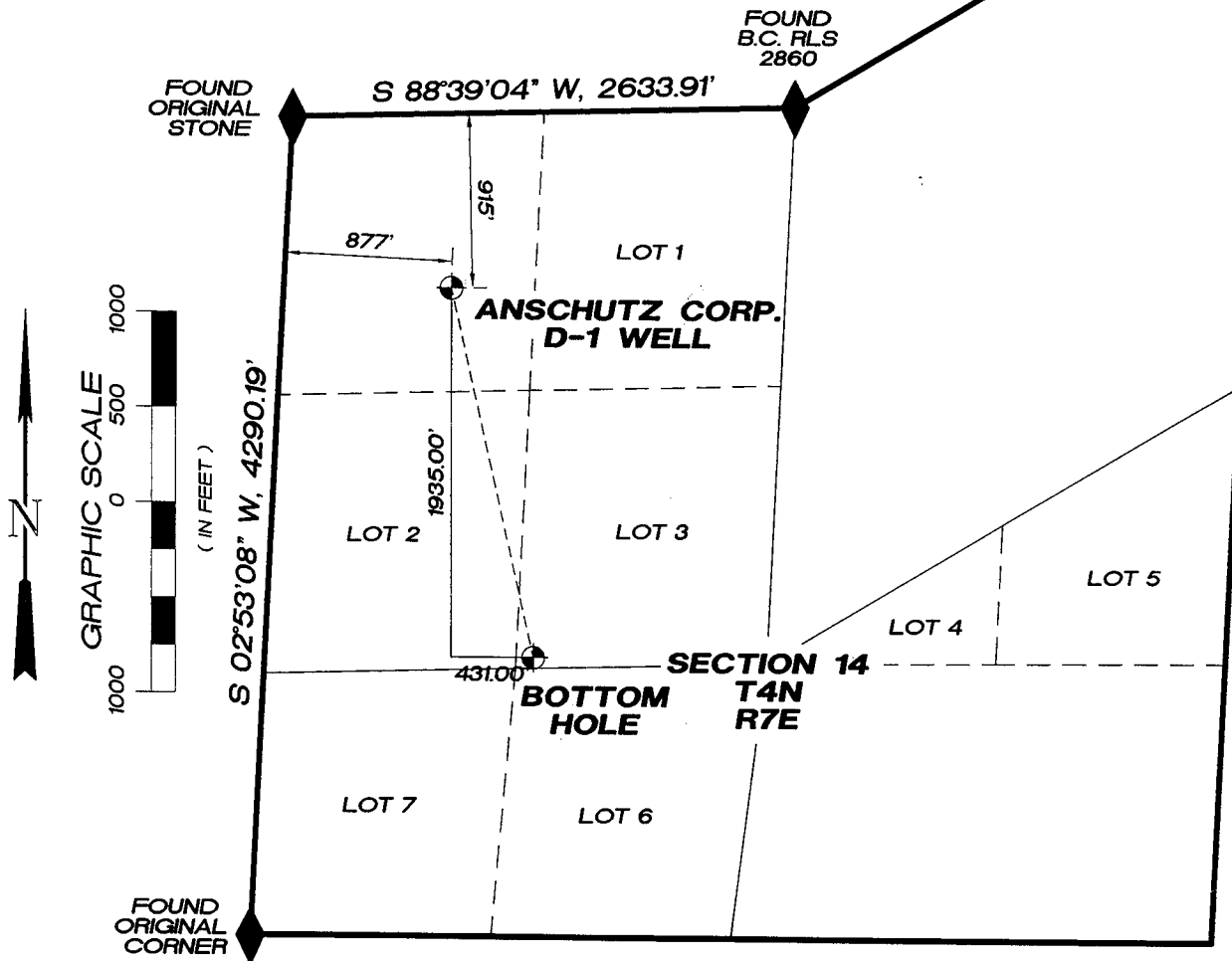
**Approved by the
Utah Division of
Oil, Gas and Mining**

RECEIVED

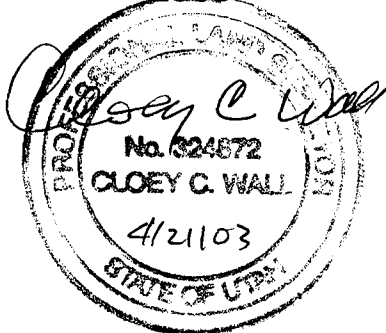
MAY 14 2003

APPROVAL: 05-21-03
 Date: [Signature]
 By: [Signature]

DIV. OF OIL, GAS & MINING



SURVEYED UNDER MY
SUPERVISION ON APRIL, 14
2003



**MAP to ACCOMPANY
APPLICATION for PERMIT to DRILL
ANSCHUTZ CORPORATION D-1 WELL
915' FNL 877 FWL
SECTION 14, T4N, R7E, SLB&M
SUMMIT COUNTY, UTAH**



SHEET 1 OF 4

DATE: 04/17/03 JOB #: 03-19-02 FILE: 03-19-02.LOC
DRAWN BY: Jeff Henderson

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E, 915'FNL 877'FWL (Surface)
Sec. 14, T4N-R7E, 1460'FSL, 1405'FWL (Bottomhole)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

1. Estimate Tops/Geologic Markers

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>TVD</u>	<u>MD</u>	<u>Subsea</u>
Nugget	8540	8565	-1139
Ankarah	9733	9774	-2332
Thaynes	10864	10925	-3436
Woodside	12357	12444	-4956
Kick Off Point	12523	12601	-5122
Dinwoody	13197	13296	-5796
Phosphoria	13443	13565	-6042
Weber	14001	14257	-6600
TD	14901	15450	-7500

2. Estimate Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.

<u>Substance</u>	<u>Formation</u>	<u>MD</u>
SourGas/Condensate	Phosphoria/Weber	13,565'-15,450'

3. Well Control Equipment & Testing Procedures

Anschutz' Minimum specifications for pressure control equipment are as follows:
Ram Type: 10,000 psi w.p., (2) pipe rams and blind ram. (A BOP diagram listing size and rating is attached.)

Anschutz will comply with all requirements pertaining to well control as listed in Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

4. Casing Program

The shallow plugs used to TA the well will be drilled out to the kick-off point (12,601'). The well will be whipstocked out of existing 7" casing. Casing currently set in the well is as follows (A well sketch is attached.):

<u>Purpose</u>	<u>Depth (MD)</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Surface	0-2032'	26	20"	166,133#	K55	ST&C
Inter (1)	0-7066'	17 1/2"	13 3/8"	72,88,68#	SS95	BTC
Inter (2)	0-13444'	12 1/4"	9 5/8"	43,47,53,59#	SS95	LTC
Tie-back	0-2309'	cased	7 5/8"	33.7#	SS95	SFJP
Tie-back	2309-13034'	cased	7"	32#	SS95	LTC
Liner (1)	13034-17380'	8 1/2"	7"	32#	SS95	LTC
Liner (2)	16920-18810'	5 7/8"	5"	18#	L80	FL4S

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E, 915'FNL 877'FWL (Surface)
Sec. 14, T4N-R7E, 1460'FSL, 1405'FWL (Bottomhole)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

Kill String 0-7373' cased 2 7/8"

The well will be whipstocked at about 12,500' with new casing as follows:

<u>Purpose</u>	<u>Depth (MD)</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Liner	7200-15450'	5 3/4"	3 1/2"	10.2	L80	Vam Ace

5. Cement Program

The only cementing will be for the 3 1/2" liner.

<u>Liner</u>	<u>Type and Amount</u>
3 1/2"	± 800 sks Class G + silica flour

Cement will be circulated from the shoe to the liner top.

Note: Actual volumes to be calculated from caliper log.

6. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>
12,601'-15,450'	LSND with H2S Scavenger	9.0-9.5	38-50	<10 cc's

7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

No cores anticipated

8. Anticipated Pressures and H2S

The maximum anticipated bottom hole pressure is 6500 psi. The Hydrogen Sulfide concentration found in the Phosphoria and Weber formations is estimated to be 15%.

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E, 915'FNL 877'FWL (Surface)
Sec. 14, T4N-R7E, 1460'FSL, 1405'FWL (Bottomhole)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

9. Water Source

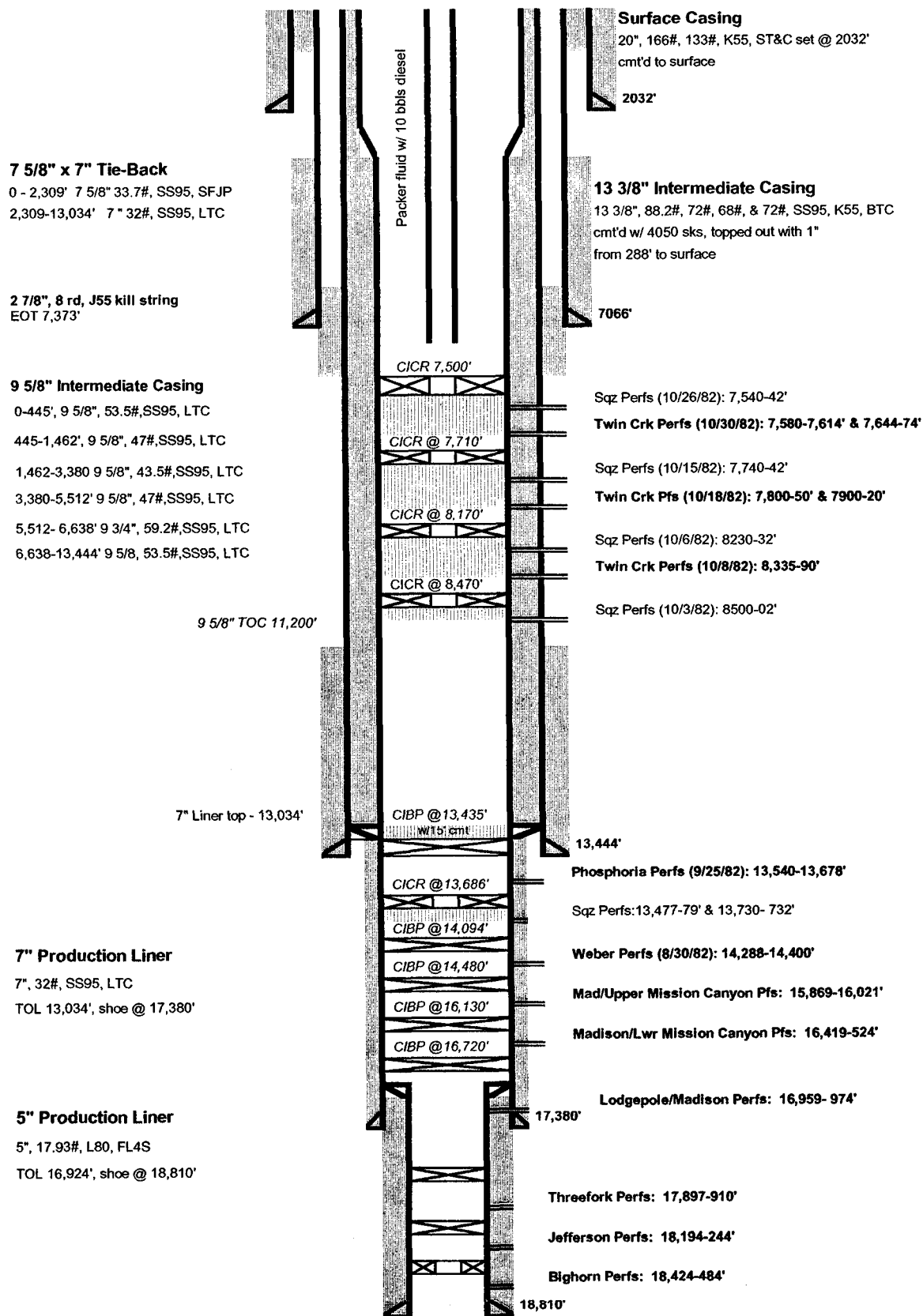
We anticipate using a water well which is presently permitted for the ARD 10-27 Well, and running a 3" plastic pipe along the pipeline ROW to this drillsite.. All appropriate water permits will be filed with the Utah Division of Water Resources.

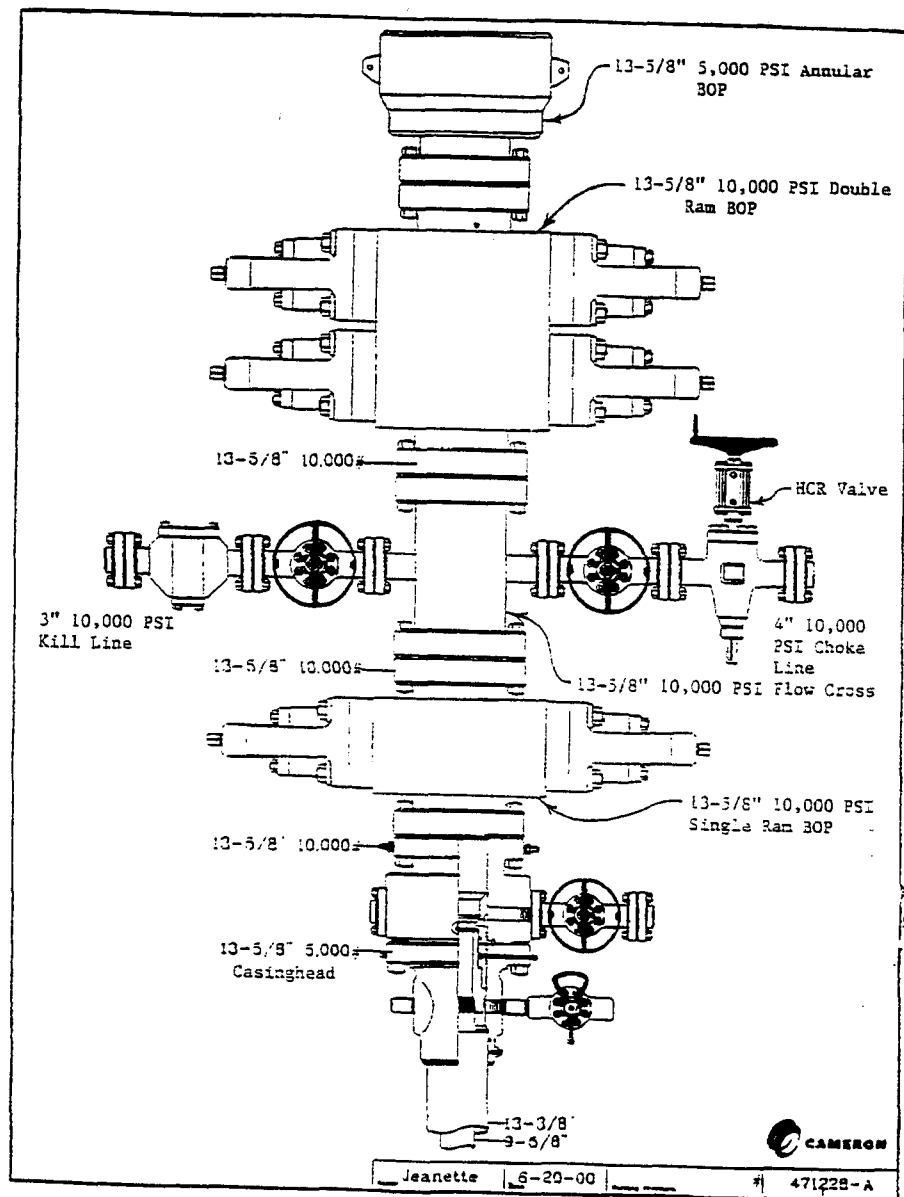
10. Other Information

Sidetrack and drilling operations are planned to commence in May 2003.
It is anticipated that these operations will take approximately 60 days.

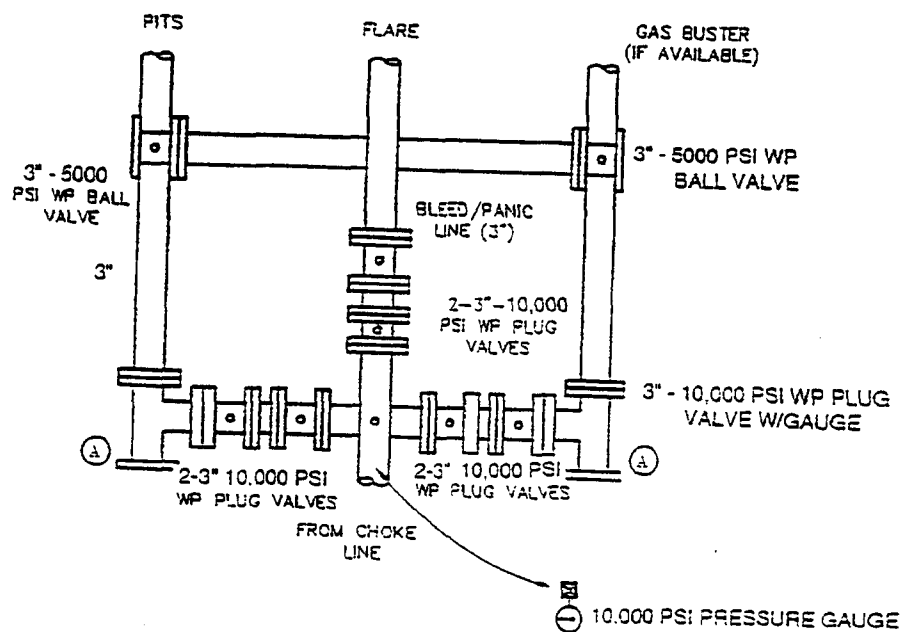
Spud Date: April 9, 1981
 KB Elevation: 7,401'
 GL Elevation: 7,371'

AMOCO ISLAND RANCHING D-1
 Summit County, Utah
 API No. 43-043-30161

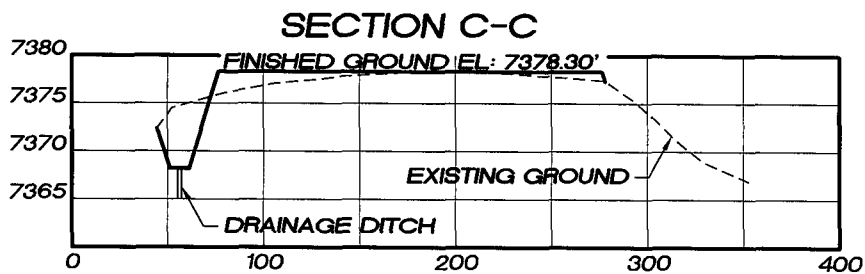
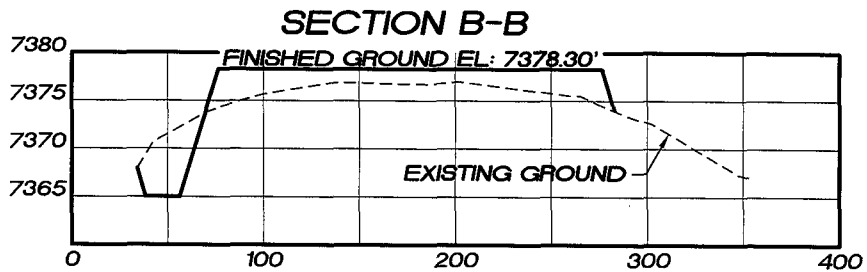
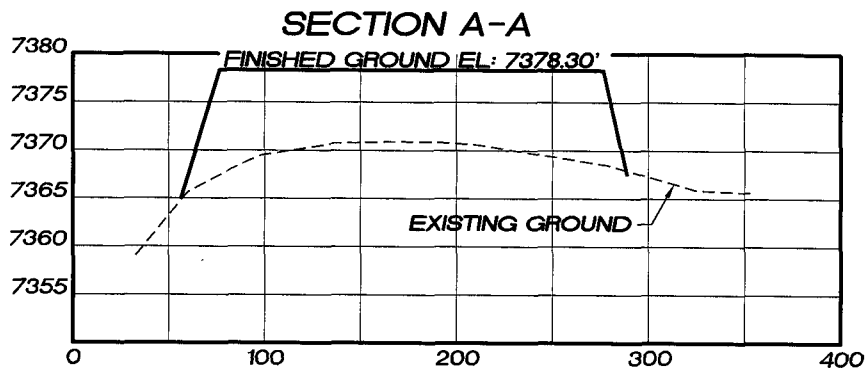




PLAN VIEW CHOKE MANIFOLD



(A) ADJUSTABLE CHOKES ——— Hydraulically controlled from remote console on rig floor.



HORIZ. SCALE: 1"=100'

VERT. SCALE: 1"=20'

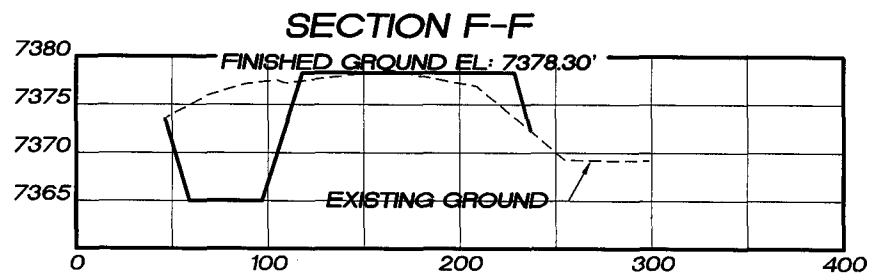
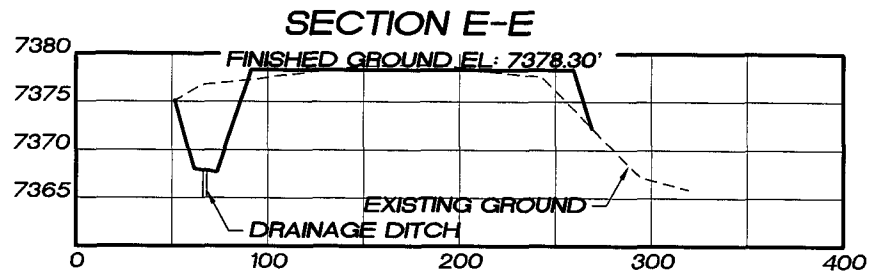
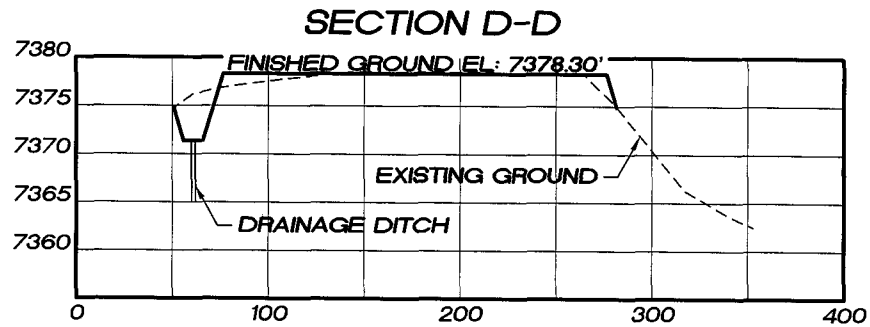
ALL CUT SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)

ALL FILL SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)

ANSCHUTZ CORPORATION
D-1 WELL

FILE: 03-19-02 JOB: 03-19-02

CROSS
SECTIONS
SHEET 3 of 4



HORIZ. SCALE: 1"=100'

VERT. SCALE: 1"=20'

ALL CUT SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)

ALL FILL SLOPES ARE 1.5:1 (UNLESS OTHERWISE NOTED)

ANSCHUTZ CORPORATION
D-1 WELL

FILE: 03-19-02 JOB: 03-19-02

CROSS
SECTIONS
SHEET 4 of 4

H2S Contingency Plan

For

Anschutz Exploration Corp.
Island Ranch D-1 (Sidetrack)

Section 14
Township 4 N, Range 7 E
Elevation 7300 Ft

Summit County, Utah

Anschutz Exploration Corp.
555 17th Street (Suite 2400)
Denver, Co. 80202

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Introduction

It is the policy of Anschutz Exploration Corp. to provide a safe and healthful work environment for all of its employees as well as contractors that may work on Anschutz Exploration Corp. leases. Anschutz Exploration Corp. makes a continued effort to comply with laws and regulations relative to worker safety and health, and to manage all operations in a manner to reduce risk.

The following is a H₂S contingency plan for the Anschutz Exploration Corp. Island Ranch D-1 Sidetrack well. It is designed for personnel working on this project to follow in case of an accidental release of hydrogen sulfide during drilling and or completion operations. For the plan to be effective, all personnel must review and be familiar with onsite duties as well as the safety equipment involved.

The purpose of this plan is to act as a guideline for personnel working on the wellsite in the event of a sudden release of hydrogen sulfide. All personnel working on the wellsite as well as service personnel that may travel to location on an unscheduled basis must be familiar with this program. The cooperation and participation of all personnel involved with the drilling operation is necessary for this plan to be effective.

Directions to location: These directions start from the Evanston city limits heading south on Harrison Blvd from the I-80 off ramp (Exit # 3).

Traveling south on Harrison Blvd / Overthrust Rd travel 18.8 miles just past the ARE plant. Just past the plant turn right and travel ½ mile to a tee in the road at the tee turn left and travel ½ mile to an intersection at the bottom of the hill adjacent to the beaver ponds. Stay right on road # 4 and travel 3.7 miles down into the Westside of Anschutz ranch, you will come upon a cabin at which time you will veer right and then stay to the left and travel downhill 1.4 miles to the 372 D-1 sign. Turn right and travel uphill 1.7 miles past 372 C-1 to location.

I. Duties & Responsibilities

In order to assure proper execution of the contingency plan, it is essential that one person be responsible for and in complete charge of implementing the procedures outlined in this plan. The order of responsibility will be as follows:

1. Anschutz Exploration Corp representative on location - if unable to perform his/ her duties
2. Alternate Anschutz Exploration Corp. representative - if unable to perform his/ her duties
3. Rig Toolpusher/ Supervisor - if unable to perform his/ her duties
4. Safety consultant representative- if available

A. All Personnel

1. Always be alert for possible H2S alarms- both audible and visual.
2. Be familiar with location of Safe Briefing Areas (SBA) and protective breathing equipment.
3. Develop a "wind awareness". Be aware of prevailing wind direction as well as nearby uphill areas, should there be no wind.
4. Familiarize yourself with nearest escape routes for safe evacuation
5. Should H2S alarm sound, DON'T PANIC - Remain calm and follow instructions of person in charge.
6. If the H2S alarms sound:
 - a. Essential personnel shall don the appropriate respiratory protective equipment and follow company procedures. Essential personnel will continue to wear respiratory protective equipment until the area is deemed safe (H2S concentration less than 10 PPM)
 - b. Non-essential personnel shall evacuate to the appropriate safe briefing area using escape-breathing systems. Wait there for further instructions from Anschutz Exploration Corp. drilling representative.

C. Initiate rescue protocol if necessary- following training procedures.

B. Anschutz Exploration Corp. Foreman

1. The Anschutz Exploration Corp. foreman will confirm that all personnel on location at any time are trained in H2S safety and aware of above list of duties.
2. The Anschutz Exploration Corp. foreman will ensure that all personnel observe all safety and emergency procedures.
3. The Anschutz Exploration Corp. foreman will make an effort to keep the number of personnel on location to a minimum and to ensure that only essential personnel are on location during critical operations.
4. Should and extreme danger condition exist, the Anschutz Exploration Corp. foreman will:
 - a. Assess the situation and advise all personnel by appropriate means of communication.
 - b. Be responsible for determining that the extreme danger condition is warranted and the red flag shall be posted at location entrance.
 - c. Go to safe briefing area and give clear instructions relative to hazard on location, and actions for personnel to follow.
 - d. Notify company and regulatory groups of current situation as outlined in company protocol. Follow appropriate emergency procedures for emergency services notification.
 - e. Proceed to rig floor and supervise operations with rig supervisor. Take action to control and reduce the H2S hazard.
 - f. Ensure that essential personnel are properly protected with supplied air breathing equipment and that non-essential personnel are in a "poison gas free" area.
 - g. Be responsible for authorizing evacuation of persons/ residents in area surrounding the drilling location.
 - h. Commence any ignition procedures if ignition criteria are met.

C. Rig Supervisor- Toolpusher

1. If the Anschutz Exploration Corp. foreman is unable to perform his/ her duties, and the alternate foreman is also unable or unavailable to perform his duties, the drilling rig toolpusher will assume command of wellsite operations and all responsibilities listed above for drilling foreman.

2. Ensure that all rig personnel are properly trained to work in H2S environment and fully understand purpose of H2S alarms, and actions to take when alarms activate. Ensure that all crew personnel understand the buddy system, safe briefing areas, and individual duties as well as emergency evacuation procedures.

3. Should an extreme danger operational condition arise, the rig toolpusher shall assist the Anschutz Exploration Corp. foreman by:

- a. Proceeding to the rig floor and assist in supervising rig operations.
- b. Ensure that only essential working personnel remain in hazardous areas.
- c. Ensure that all crewmembers that remain in hazardous area, wear respiratory protective equipment until notified that area is "clear" of any toxic gases.
- d. Assign rig crewmember or other service representative to block entrance to location. No unauthorized personnel will be allowed entry to location.
- e. Help to determine hazardous "danger zones" on location using portable detection equipment and position electric fans to move gas in any high concentration areas.

D. Safety Consultant

1. During normal operations (no H2S present), the safety consultant will be responsible for the following:

- a. Ensure that all wellsite safety equipment is in place and operational.
- b. Ensure that all wellsite personnel are familiar with location safety layout and operation of all safety equipment.
- c. Assist the Anschutz Exploration Corp. foreman in performing weekly H2S drills for location personnel.

2. When an operational condition is classified as extreme danger, the safety consultant will be responsible for the following:

- a. Account for all wellsite personnel
- b. Assess any injuries and direct first aid measure.
- c. Ensure that all safety and monitoring equipment is functioning properly and available.
- d. Monitor the safety of wellsite personnel
- e. Maintain a close communication with Anschutz Exploration Corp. foreman.
- f. Be prepared to assist Anschutz Exploration Corp. foreman with support for rig crew or other personnel using breathing equipment.
- g. Be prepared to assist Anschutz Exploration Corp. foreman with emergency procedures including possible well ignition.
- h. Be prepared to assist with evacuation of any area residents or other personnel working in the immediate area.

E. Operation Center Foreman

1. The Anschutz Exploration Corp. Operations Center Foreman will be responsible for notifying and maintaining contact with company production manager as well as other company supervisory personnel.

2. Maintain communication with the Anschutz Exploration Corp. foreman to proceed with any other assistance that might be required.

3. Travel to wellsite if appropriate

4. Assist Anschutz Exploration Corp. foreman with all other notifications - both company and regulatory.

II. Well Location Layout

A. Location

1. All respiratory protective equipment and H₂S detection equipment will be rigged up prior to spudding well. The rig crews and other service personnel will be trained at this time. All rig crews will be trained and all safety equipment in place and functioning when work begins on the well.

2. The drilling rig will be situated on location to allow for the prevailing winds to blow across the rig toward the circulation tanks or at right angles to the lines from the B.O.P.s to the circulation tanks.

3. The entrance to the location is designed so that it can be barricaded if a hydrogen sulfide emergency condition arises. An auxiliary exit route will be available so that in case of an emergency, a shift in wind direction would not prevent escape from the location.

4. A minimum of 2 safe briefing areas (SBA) shall be designated for assembly of personnel during emergency conditions. These will be located at least 150 ft. or as practical, from the wellbore and in such a location that at least one area will be upwind of the well at all times. Upon recognition of an emergency situation, all personnel will be trained to assemble at the designated briefing area for instructions.

5. Smoking areas will be established and "No Smoking" signs will be posted around the location.

6. Reliable 24 hour telephone communications will be available at the drilling foremen's office.

7. A mud-gas separator will be rigged up and manifolded to the choke system.

8. All equipment that might come in to contact with hydrogen sulfide - drill pipe, drill stem test tools, blowout preventers, casing, choke system will meet Anschutz Exploration Corp.'s metallurgy requirements for H₂S service.

9. The drilling rig will have a continuous electronic H₂S detection system that automatically will activate visible and audible alarms if hydrogen sulfide is detected. The visible light will activate if 10 ppm H₂S is present. The audible siren will activate if 15 ppm H₂S or higher concentration is present. There will be at least 4 H₂S sensors in place on the drilling rig. They will be located to detect the presence of hydrogen sulfide in areas where it is most likely to come to surface. The sensor head locations will be: 1) rig floor by driller's console, 2) substructure area near the bell nipple, 3) the shale shaker, 4) the mud mixing area. Additional sensors will be positioned at the discretion of the drilling foreman. At least 1 light and 1 siren will be placed on the rig to indicate the presence of hydrogen sulfide. The light and siren will be strategically placed to be visible to all personnel on the drill site. Additional alarm lights & sirens may be added to ensure that all personnel on the drill site are able to notice the alarms at any time.

10. The H₂S detection equipment will be calibrated as recommended by the manufacturer. Calibration records will be maintained on location.

11. At least 4 windsocks will be placed around the drill site to ensure that everyone on the drilling location can readily determine wind direction. One windsock will be mounted on or near the rig floor to be readily visible to rig crews when tripping pipe.

12. All respiratory protective equipment will be NIOSH/ MSHA approved positive pressure type and maintained according to manufacturer's guidelines. All breathing air used for this equipment will be CGA type Grade D breathing air.

13. Both 30-minute self-contained breathing apparatuses (SCBA) and workline units with escape cylinders will be available on location. There will be sufficient numbers of this supplied air breathing equipment on location to ensure that all personnel on location have 1 piece of equipment available to them. All respiratory protective equipment will use nose cups to prevent fogging in temperatures below 32 F. Spectacle kits will be available for personnel that require corrective lenses when working under mask.

14. Electric explosion- proof ventilating fans (bug blowers) will be available to provide air movement in enclosed areas where gas might accumulate.

15. H₂S drills will be conducted at least weekly to ensure that all well site personnel are competent in emergency donning procedures. These drills will be recorded in the driller's log, as well as in the safety trailer logbook.

16. Electronic voice-mikes will be available for essential personnel to use when working under mask to facilitate communication.

17. Additional breathing equipment will be provided for non routine operations that require additional service personnel on the well location to ensure that all personnel on the well location have a dedicated supplied air respirator.

18. Location access will be monitored and controlled during "non- routine" operations such as perforating, pressurized pumping, and well testing. The number of personnel on location will be restricted to "essential" personnel only.

III. Safety Procedures

A. Training

All personnel who come onto the location must be properly trained in hydrogen sulfide, nitrogen, and oxygen deficient atmospheres safety. The personnel shall carry documentation with them indicating that the training has occurred within the previous 12 months. All training will comply with federal and state regulatory guidelines.

Training topics shall include at a minimum:

1. Hazards and characteristics of hydrogen sulfide, nitrogen, and oxygen deficient atmospheres and symptoms of exposure to these gases.
2. Proper use, care and limitations of respiratory protective equipment with hands on practice.
3. Use of both fixed and portable detection toxic gas equipment.
4. Work practices to reduce opportunities for toxic gas exposure as well as confined space procedures.
5. First aid for toxic gas exposure and resuscitation equipment.
6. The buddy system
7. Emergency evacuation procedures
8. A review of the contingency plan for the well.

B. Operating Conditions

A three color- flag warning system will be used to notify personnel approaching the drill site as to operating conditions on the wellsite. This system is in compliance with BLM OO#6 and follows industry standards.

Green Flag - Potential Danger

Yellow Flag - Moderate Danger

Red Flag- Extreme Danger - Do Not approach if red flag is flying.

C. Evacuation Plan

There are no permanent residents within a 2-mile radius of the drill site. The Anschutz Corporation has operations surrounding this location such as pipeline, surface facilities, compressor stations, and adjacent well site locations. The prevailing wind is from the southwest. These facilities process natural gas containing hydrogen sulfide and have emergency protection programs in place. Anschutz Exploration Corp. will conduct any evacuation in coordination with the Anschutz Ranch Processing Center and with the direction of the Anschutz Exploration Corp. drilling foreman.

All regulatory agencies will be notified as soon as possible.

D. Emergency Rescue Procedures

Well site personnel should not attempt emergency rescues unless they have been properly trained. A trained person who discovers another person overcome by hydrogen sulfide **should not attempt to rescue without donning the proper breathing equipment.** When making an emergency rescue always use the following procedures:

1. Don rescue breathing equipment before attempting to rescue someone.
2. Remove the victim from the contaminated area to an area free of toxic gas by traveling upwind or cross wind. Be certain that you are in a safe area before removing your breathing equipment.
3. If the victim is not breathing, initiate mouth- to mouth resuscitation immediately. Follow CPR guidelines and replace mouth to mouth with a bag mask resuscitator if available.

4. Treat the victim for shock, keeping the victim warm and calm. Never leave the victim alone.

5. Any personnel who experience hydrogen sulfide exposure must be taken to a hospital for examination and their supervisor notified of the incident.

6. Their supervisor shall follow the company Emergency Preparedness plan.

IV. H2S Safety Equipment on Drilling Location

Item	Amount	Description
1.	1	safety trailer with a cascade system of 10-300 cu. ft bottles of compressed breathing air complete with high-pressure regulators
2.	At least 1000 ft.	Low-pressure airline equipped with Hanson locking fittings. This airline will be rigged up with manifolds to supply breathing air to the rig floor, substructure, derrick, shale shaker area, and mud mixing areas. Three high-pressure refill hoses will be attached to cascade systems for cylinder refill.
3.	Twelve (12)	Scott 30 minute self-contained breathing apparatuses (SCBA).
4.	Twelve (12)-Scott airline units with emergency escape cylinders.	
5.	One (1)	4- channel continuous electronic H2S monitor with audible and visual alarms. The set points for these alarms are 10 ppm for the low alarm and 15 ppm for the high alarm.
6.	Two (2)	Sensidyne portable hand operated pump type detection units with tubes for hydrogen sulfide and sulfur dioxide.
7.	One (1)	oxygen resuscitator
8.	One (1)	trauma first aid kit
9.	One (1)	stokes stretcher and one (1) KED.
10.	Four	windsocks

- | | | |
|-----|------------------|---|
| 11. | At least one (1) | well condition sign with 3 flag system. |
| 12. | Two (2) | Safe Briefing Area (SBA) signs |
| 13. | One (1) | fire blanket |
| 14. | One (1) | set air splints |
| 15. | Two (2) | electric explosion proof fans |
| 16. | One (1) | monitor calibration kit |
| 17. | Three (3) | 300 cu. ft. air bottles for the safe briefing area. |
| 18. | Two (2) | 30 # fire extinguishers |
| 19. | One (1) | cellular phone for emergency responce |
| 20. | One (1) | battery powered combustible gas meter |

A drawing of the drilling location will be inserted in this page showing the actual placement of the all safety equipment relative to the other equipment on the drill site.

V. Well Ignition Procedures

If it should become apparent that an uncontrolled release of hydrogen sulfide to the atmosphere might endanger the health and safety of the public or well site personnel, the Anschutz Exploration Corp. drilling foreman will make a decision to ignite the well. The following procedure should be followed before attempting to ignite the well.

A. Ignition equipment - The following equipment will be available for on-site for use by the ignition team.

1. 2-12 gauge flare guns with flare shells
2. 2-500 ft. Fire resistant retrieval ropes
3. 1 portable combustible gas meter
4. Self contained breathing apparatus (SCBA) for each member of the ignition team.
5. 1 backup vehicle with communication equipment

B. Ignition Procedures

1. The Anschutz Exploration Corp. drilling foreman will ensure that well site personnel are evacuated to a safe area upwind of the well bore prior to any ignition action.

2. The Anschutz Exploration Corp. foreman and a designated partner "buddy" backed up by well site safety personnel will comprise the ignition team. All team members will be wearing 30 minute SCBAs.

3. The backup crew will be positioned near a radio-equipped vehicle at a safe distance from the sour gas release. They will standby to rescue the actual team igniting the well.

4. The partner of the ignition team will carry a combustible gas/ hydrogen sulfide meter to continuously monitor the area in which they are working and define the perimeter of the gas cloud.

5. The Anschutz Exploration Corp. foreman will carry the flare gun and shells.

6. The ignition team will determine the hazardous area and establish safe working perimeters. Once this is identified the team will proceed upwind of the leak and fire into the area with flare gun. If trouble is encountered in trying to light the leak, retry to ignite by firing the flare shells at 45 and 90 angles to the gas source, but DO NOT approach closer to the leak.

7. After ignition, monitor for sulfur dioxide and work with the support group to restrict access to the contaminated area.

VI. Residents - Public in R.O.E.

There are no residents within a 2-mile radius of the well site. The Anschutz Corporation may have personnel working in the area and those people will be able to be reached through the ARE plant. The surrounding area is federally owned and maintained by the BLM. This land may be used for recreational purposes including hunting and recreational vehicles any time during the drilling or completion of this well.

Anschutz Exploration Corp.

Jim Oursland (Operations Supt.)303-299-1228 (Office)
303-887-1427 (Mobil)

Dave Hildreth (Island Ranch Project Manager).....303-299-1283 (Office)
303-298-1000 (Direct)
970-250-1518 (Mobil)

AWGS Control Room (Evanston).....(307) 789-1573

VII. Emergency Phone Directory

A. Anschutz Exploration Corp.
555 17th Street (Suite 2400)
Denver, CO 80202

(303) 298-1000

<u>Title</u>	<u>Name</u>	<u>Phone</u>
Operations Supervisor	Jim Oursland	Office (303) 299-1228 Mobil (303) 887-1427
Drilling Foreman	Dave Hildreth	Office 303-299-1283 Direct 303-298-1000 Mobil 970-250-1518
AWGS	Kaye Wilson	Office 307-783-1573 Cell 307-799-5740
Operations Center Foreman	Bruce J. Williams	Office (307) 783-2400 Mobil (307) 679-1306
Anschutz Process Control		(307) 783-2430 (307) 783-2469
Anschutz Field Foreman	Alan Karsky	Office (307) 783-2421 Mobil (307) 679-1345
Drilling & Completion Safety Engineer	Ruth Duval	Office (307) 783-2405 Mobil (307) 679-1307

B. Emergency Services Phone List

1. IHC Memorial Hospital - Evanston, WY.	(307) 789-3636
2. Ambulance Services (BP Plant Anschutz)	(307) 783-2430
2. Ambulance Services - Uinta County, WY.	(307) 789-2331
3. Summit County Sheriff	(435) 615-3500
3. Sheriff Department- Uinta County, WY.	(307) 789-2331
4. Highway Patrol - Wyoming	(800) 442-9090
5. Fire Department - Uinta County, WY.	911 or (307) 789-2331
6. Bureau of Land Management - Kemmerer, WY. Wyoming State Office	(307) 877-3933
7. Medical Helicopter - Air Med - Salt Lake City, UT	(800) 453-0120

This page will be a map of the well location site showing the section and other related facilities and residents within a 2-mile radius of the well.

PROPERTY OF GAS

If gas should be produced, it could be a mixture of Carbon Dioxide, Hydrogen Sulfide, and Methane.

TOXICITY OF VARIOUS GASES

<u>Common Name</u>	<u>Chemical Formula</u>	<u>Specific Gravity of Air=1</u>	<u>1 Threshold Limit</u>	<u>2 Hazardous Limit</u>	<u>3 Lethal Concern</u>
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/hr	300 ppm
Hydrogen Sulfide	H ₂ S	1.18	10 ppm	250 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21	2 ppm	-----	1,000 ppm
Chloride	CL ₁	2.45	1 ppm	4 ppm/hr	1,000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1,000 ppm
Carbon Dioxide	CO ₂	1.52	5,000 ppm	5%	10%
Methane	CH ₄	0.55	90,000 ppm	Combustible Above 5% in Air	-----

1 Threshold=Concentration at which it is believed that all workers may repeatedly be exposed, day after day, without adverse side effects.

2 Hazardous=Concentration that may cause death.

3 Lethal=Concentration that will cause death with short-term exposure.

HYDROGEN SULFIDE

GENERAL PROPERTIES

Hydrogen Sulfide itself is a colorless and transparent gas and is flammable. It is heavier than air and, hence, may accumulate in low places.

Although the slightest presence of H₂S in the air is normally detectable by its Characteristic "Rotten Egg" odor, it is dangerous to rely on the odor as a means of detecting excessive concentrations because the sense of smell is rapidly lost allowing lethal concentrations to be accumulated without warning. The following table indicates the poisonous nature of Hydrogen Sulfide, which is more toxic than Carbon Monoxide.

COMMON NAMES: Sour Gas, Rotten Egg Gas, Sulphurated Hydrogen, Hydrogen sulfide, Stink Damp, H₂S, Acid Gas, Sweet Gas*

PHYSICAL-CHEMICAL PROPERTIES

Chemical Formula..... H₂S

1. Specific Gravity (Air = 1.000)..... 1.193 (@ 77°F)

2. Color None

3. Odor Compared to Rotten Eggs

4. Odor Threshold 0.13 part of 1 ppm

5. Corrosivity Reacts with metals, plastics, tissues and nerves.

6. Solubility in Water 4.0 to 1 in H₂O @ 32°F
2.6 to 1 in H₂O @ 68°F

7. Effects on Humans..... Olfactory nerves, respiratory nerves, irritates sensitive membranes in eyes, nose, and throat.

8. Vapor Pressure 19.6 atmospheres at 25°C

9. Explosive Limits..... 4.3% to 46% by volume in air.

* H₂S is a sweet tasting Gas, but often the word "tasting" is left out.

10. Ignition Temperature.....	18°F (Burns with a pale blue flame)
11. Molecular Weight.....	34.08
12. Conversion Factors.....	1 mg/1 of air = 717 ppm (at 25°C and 760 mm HG). 1 ppm = 0.00139 mg/1 of air.
13. pH.....	3 in water

INDUSTRIAL OCCURRENCES

Hydrogen Sulfide exposures occur in certain processes in the petroleum industry, chemical plants, chemical laboratories, sulfur and gypsum mines, viscose rayon and rubber industries, tanneries, and in the manufacture of some chemicals, dyes, and pigments. It may be encountered in excavations in the swampy or filled ground. It is produced when sulfur-containing organic matter decomposes, and it can therefore be found in sewage or organic-waste treatment plants. A common sewer gas, it may find its way into utility manhole, particularly dangerous when encountered in tanks, vessels, and other enclosed spaces.

TOXIC PROPERTIES

Hydrogen Sulfide is an extremely toxic and irritating gas. Free Hydrogen Sulfide in the blood reduces its oxygen carrying capacity, thereby depressing the nervous system. Sufficiently high concentrations can cause blockage of the phrenic nerve, resulting in immediate collapse and death due to respiratory failure and asphyxiation.

Because Hydrogen Sulfide is oxidized quite rapidly to sulfates in the body, no permanent after effects occur in cases of recovery from acute exposures unless oxygen deprivation of the nervous system is prolonged. However, in cases of acute exposures, there is always the possibility that pulmonary edema may develop. It is also reported that symptoms such as nervousness, dry nonproductive coughing, nausea, headache, and insomnia, lasting up to about 3 days have occurred after acute exposures to Hydrogen Sulfide.

At low concentrations the predominant effect of Hydrogen Sulfide is on the eyes and respiratory tract. Eye irritation, conjunctivitis, pain, lacrimation, keratitis, and photophobia may persist for several days. Respiratory tract symptoms include coughing, painful breathing, and pain in the nose and throat.

There is no evidence that repeated exposures to Hydrogen Sulfide results in accumulative or systemic poisoning. Effects such as eye irritation, respiratory tract irritation, slow pulse rate, lassitude, digestive disturbances, and cold sweats may occur, but these symptoms disappear in a relatively short time after removal from the exposure. Repeated exposures to Hydrogen Sulfide does not appear to cause any increase or decrease in susceptibility to this gas.

The paralytic effect of Hydrogen Sulfide on the olfactory nerve is probably the most significant property of the gas. This paralysis may create a false sense of security. A worker can be overcome after the typical rotten-egg odor has disappeared. Rather than the characteristic Hydrogen Sulfide odor, some victims of sudden acute overexposure have reported a brief sickeningly sweet odor just prior to unconsciousness.

Subjective olfactory responses to various concentrations of Hydrogen Sulfide have be summarized as follows:

0.02 ppm	No odor
0.13 ppm	Minimal perceptible odor
0.77 ppm	Faint, but readily perceptible odor
4.60 ppm	Easily detectable, moderate odor
27.0 ppm	Strong, unpleasant odor, but not intolerable

Physiological responses to various concentrations of Hydrogen Sulfide have been reported as follows:

10 ppm	Beginning eye irritation
50-100 ppm	Slight conjunctivitis and respiratory tract irritation after 1 hour exposure
100 ppm	Coughing, eye irritation, loss of sense of smell after 2-15 minutes. Altered respiration, pain in the eyes, and drowsiness after 15-30 minutes, followed by throat irritation after 1 hour. Several hours' exposure results in gradual increase in severity of these symptoms and death may occur within the next 48 hours.
200-300 ppm	Marked conjunctivitis and respiratory tract irritation after 1 hour exposure
500-700 ppm	Loss of consciousness and possibly death in 30 minutes.

700 ppm	Raped unconsciousness, cessation of respiration, and death.
1000-2000 ppm	Unconsciousness at once, with early cessation of respiration and death in a few minutes. Death may occur even if individual is removed to fresh air at once.

ACCEPTABLE CONCENTRATIONS

ACCEPTABLE EIGHT-HOUR TIME-WEIGHTED AVERAGE

To avoid discomfort, the Time-Weighted average concentration of Hydrogen Sulfide shall not exceed 10 ppm.

ACCEPTABLE CEILING CONCENTRATION

The acceptable concentration for protection of health for an eight-hour, five-day week shall be 20 ppm, Fluctuations are to occur below this concentration.

ACCEPTABLE MAXIMUM FOR PEAKS ABOVE ACCEPTABLE BASE LINE FOR CONTINUOUS EXPOSURE

A single-peak concentration not exceeding 50 ppm for a maximum of 10 minutes is allowable provided that the daily time-weighted average is not exceeded.

H₂S EQUIVALENTS

<u>Parts Per Million</u>	<u>Percents</u>	<u>Grains per 100 cu. Ft.</u>
1	.0001	.055
10	.001	.55
18	.0018	1.0
100	.01	5.5
1000	.1	55.5
10000	1.0	555.5

Grains per 100 cu. Ft. = % by volume Mole 636.4
1% by volume = 10,000 ppm

SULFUR DIOXIDE

Sulfur Dioxide (SO₂) is a colorless, transparent gas and is non-flammable.

Sulfur Dioxide is produced during the burning of H₂S. Although SO₂ is heavier than air, it will be picked up by a breeze and carried downwind at elevated temperatures, While Sulfur Dioxide is extremely irritating to the eyes and mucous membranes of the upper respiratory tract, it has exceptionally good warning powers in this respect.

CONCENTRATIONS

EFFECTS

<u>%SO₂</u>	<u>ppm</u>	
.0002	2	Safe for eight (8) hour exposure
.0005	5	Pungent odor-normally a person can detect SO ₂ in this range.
.0012	12	Throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes.
.015	150	So irritating that it can only be endured for a few minutes.
.05	500	Causes a sense of suffocation, even with the first breath.

PHYSICAL PROPERTIES AND CHARACTERISTICS

Chemical Formula	SO ₂
1. Specific Gravity	2.212
2. Color	None
3. Flammable.....	No
4. Odor	Characteristic, pungent, gives ample warning of its presence.

5. Corrosivity Dry---not corrosive to ordinary metals.
Wet---corrosive to most common metals.
6. Allowable Concentrations..... 2 ppm (ACGIH)
2 ppm (OSHA)
7. Effects on Humans..... Irritates eyes, throat and upper
Respiratory system.

TOXIC PROPERTIES

Sulfur Dioxide is an irritating gas in its vapor form and the odor is so intensely irritating that concentrations of 3 to 5 parts per million in the air are readily detectable by the normal person. In higher concentrations, the severely irritating effect of the gas makes it unlikely that any person would be able to remain in a Sulfur Dioxide contaminated atmosphere unless they were unconscious or trapped.

Sulfur Dioxide gas is intensely irritating to the eyes, throat, and upper respiratory system. Inhalation of this gas in concentrations of 8 to 12 parts per million in air causes throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes. 150 parts per million is so extremely irritating that it can be endured only for a few minutes. 500 parts per million is so acutely irritating to the upper respiratory tract that it causes a sense of suffocation, even with the first breath.

Out of numerous reported exposures to Sulfur Dioxide, there are few references that would indicate pneumonia as an after effect.

031

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/14/2003

API NO. ASSIGNED: 43-043-30161

WELL NAME: ISLAND RANCHING D-1

OPERATOR: ANSCHUTZ EXPLORATION (N7940)

CONTACT: PAMELA KALSTROM

PHONE NUMBER: 303-299-1219

PROPOSED LOCATION:

NWNW 14 040N 070E

SURFACE: 0915 FNL 0877 FWL

NESW BOTTOM: 1460 FSL 1405 FWL (Irreg. Sec.)

SUMMIT

ANSCHUTZ RANCH WEBER (502)

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: WEBR

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

DKD

5/29/03

Geology

Surface

LATITUDE: 41.08389

LONGITUDE: 111.12718

RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[] Ind[] Sta[] Fee[4]
(No. 104253)☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit

(No. T23687)

☒ RDCC Review (Y/N)

(Date:)

☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

R649-2-3.

Unit

R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

R649-3-3. ~~Directional~~☒ Drilling Unit

Board Cause No: 183-12 (640')

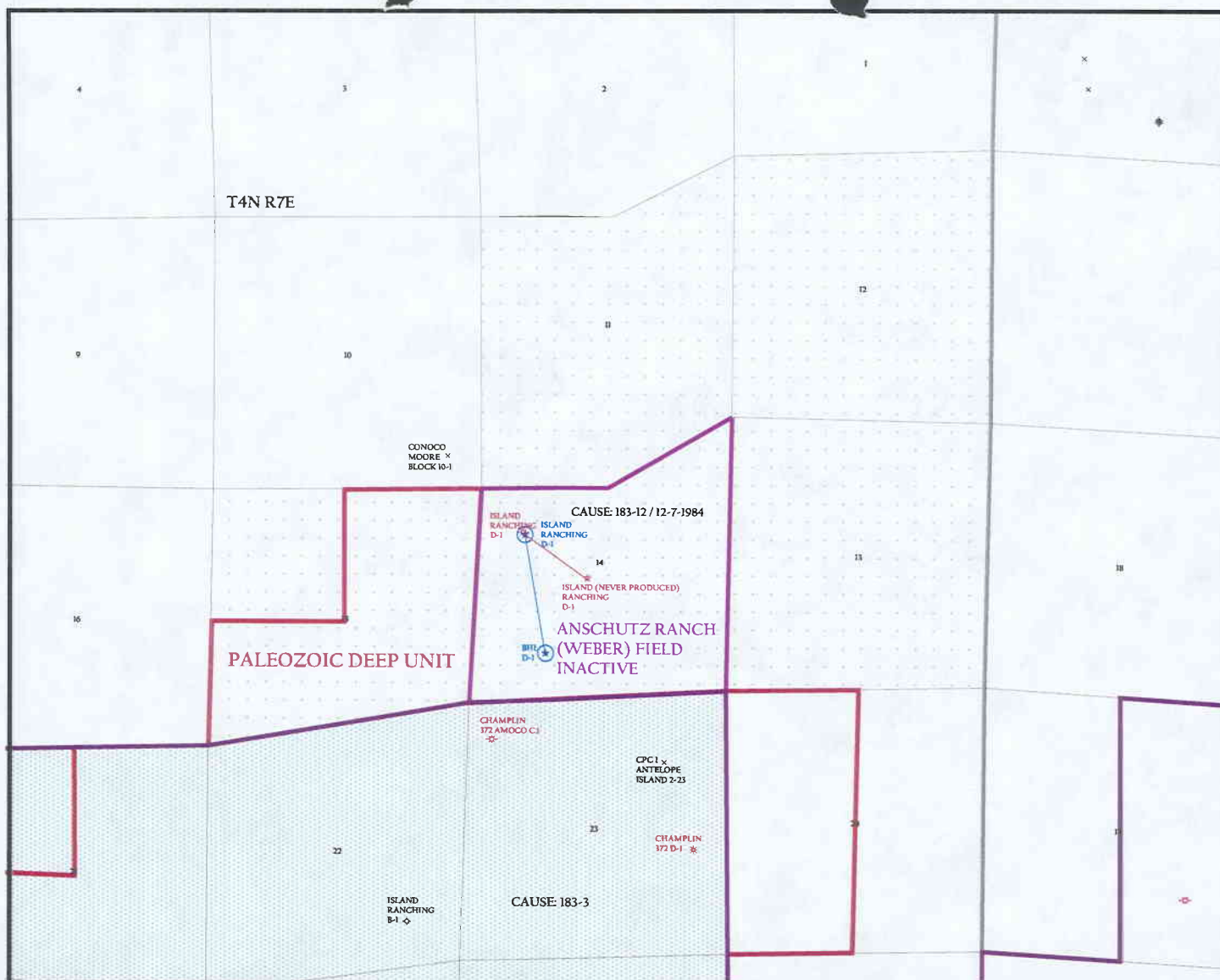
Eff Date: 12-7-1984

Siting: 990' fr unit boundary

☒ R649-3-11. Directional Drill

COMMENTS: 2nd Onsite Review 5/19/03

STIPULATIONS: No statement of Basis per Brad



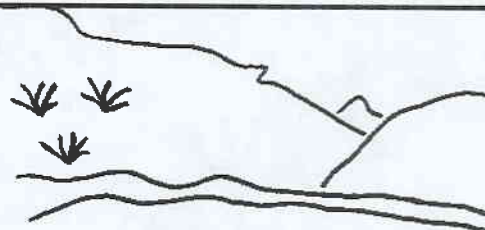
OPERATOR: ANSCHUTZ EXPL (N7940)

SEC. 14 T4N, R7E

FIELD: ANSCHUTZ RANCH (WEBER) (502)

COUNTY: SUMMIT

CAUSE: 183-12 / 12-7-1984



Utah Oil Gas and Mining

WELLS

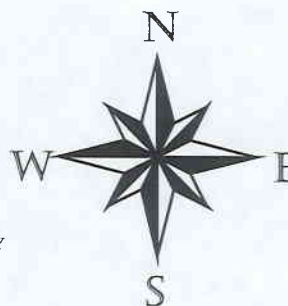
- ⚡ GAS INJECTION
- GAS STORAGE
- × LOCATION ABANDONED
- ⊙ NEW LOCATION
- ⬢ PLUGGED & ABANDONED
- ⬢ PRODUCING GAS
- ⬢ PRODUCING OIL
- ⬢ SHUT-IN GAS
- ⬢ SHUT-IN OIL
- ⬢ TEMP. ABANDONED
- ⬢ TEST WELL
- ⬢ WATER INJECTION
- ⬢ WATER SUPPLY
- ⬢ WATER DISPOSAL

UNIT STATUS

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

FIELD STATUS

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- COUNTY BOUNDARY
- SECTION LINES
- TOWNSHIP LINES



PREPARED BY: DIANA MASON
DATE: 14-MAY-2003

05-03 Anschutz Island Ranc ng D-1

Casing Schematic

Surface

20"
MW 8.7
Frac 19.3

TOC @
1593.
Surface
2032. MD
2032. TVD

TOL @
7200.
TOC @
7200.

TOC @
11639.

Intermediate
12601. MD
12589. TVD

Production Liner
15450. MD
14900. TVD

8565' -
Nugget
9774' -
An Karah
10925' -
Thurges
12444' -
Woodsale
9-5/8"
MW 9.5
Frac 19.3
13296' -
Dawson
13565' -
Phosphor
14257' -
Webster
3-1/2"
MW 9.5

BOP
 $(0.052)(9.5)(14901) = 7361 \text{ psi}$
Anticipated = 6500 psi

Gas
 $(0.12)(14901) = 1788 \text{ psi}$

MAASP = 5573 psi

Gas/mud
 $(0.22)(14901) = 3278 \text{ psi}$

MAASP = 4083 psi

10M BOP proposed
H₂S contingency plan
Adequate Prod
5/19/03

w/15 8 wiskout

Have used cont in pinhole
to same depth higher pressure
No problems w/ channelling
Slight problem w/ water loss, One
reason going to lighter cont system
w/ additives. Dave Hildreth Anschutz
5/19/03

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

CA-UT020-49-85C687

8. WELL NAME and NUMBER:

Island Ranching D#1

9. API NUMBER:

43-043-301

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

3. ADDRESS OF OPERATOR:

555 17th Street

CITY

Denver

STATE

CO

ZIP

80202

PHONE NUMBER:

(303) 298-1000

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 915' FNL, 877' FWL, T4N-R7E

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 14 T4N R7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

5/22/2003

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☒ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The following information is attached to supplement the well plan submitted in the APD submitted previously:

The wellplan has been amended to include a 100' plug-back plug to be spotted on the CIBP at 13,435'. The yields of the cements proposed have also been included.

A note was added to the drilling fluids section to make it clear that a closed-loop mud system would be utilized.

A H2S contingency plan was submitted electronically to Mr. Dustin Doucet on 5/15/03.

A directional survey is attached.

A diagram of the proposed whipstock is attached.

NAME (PLEASE PRINT) James Oursland

TITLE Operations Manager

SIGNATURE

DATE

5-15-03

(This space for State use only)

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E (Surface Location)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

1. Estimate Tops/Geologic Markers

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>TVD</u>	<u>MD</u>	<u>Subsea</u>
Nugget	8540	8565	-1139
Ankarah	9733	9774	-2332
Thaynes	10864	10925	-3436
Woodside	12357	12444	-4956
Kick Off Point	12523	12601	-5122
Dinwoody	13197	13296	-5796
Phosphoria	13443	13565	-6042
Weber	14001	14257	-6600
TD	14901	15450	-7500

2. Estimate Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.

<u>Substance</u>	<u>Formation</u>	<u>MD</u>
SourGas/Condensate	Phosphoria/Weber	13,565'-15,450'

3. Well Control Equipment & Testing Procedures

Anschutz' Minimum specifications for pressure control equipment are as follows:
Ram Type: 10,000 psi w.p., (2) pipe rams and blind ram. (A BOP diagram listing size and rating is attached.)

Anschutz will comply with all requirements pertaining to well control as listed in Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

4. Casing Program

The shallow plugs used to TA the well will be drilled out to the kick-off point (12,601'). The well will be whipstocked out of existing 7" casing. Casing currently set in the well is as follows (A well sketch is attached.):

<u>Purpose</u>	<u>Depth (MD)</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Surface	0-2032'	26	20"	166,133#	K55	ST&C
Inter (1)	0-7066'	17 1/2"	13 3/8"	72,88,68#	SS95	BTC
Inter (2)	0-13444'	12 1/4"	9 5/8"	43,47,53,59#	SS95	LTC
Tie-back	0-2309'	cased	7 5/8"	33.7#	SS95	SFJP
Tie-back	2309-13034'	cased	7"	32#	SS95	LTC
Liner (1)	13034-17380'	8 1/2"	7"	32#	SS95	LTC
Liner (2)	16920-18810'	5 7/8"	5"	18#	L80	FL4S
Kill String	0-7373'	cased	2 7/8"			

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E (Surface Location)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

The well will be whipstocked at about 12,500' with new casing as follows:

<u>Purpose</u>	<u>Depth (MD)</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
Liner	7200-15450'	5 3/4"	3 1/2"	10.2	L80	Vam Ace

5. Cement Program

Plugback plug A 100' plug of Class G Cement, (15.8 ppg, 1.15 ft³/sk) will be spotted on top of the CIBP set at 13,435'. (This cement plug will be in addition to a 15' plug set in October of 1982.)

Liner Type and Amount
3 1/2" ± 400 sks Premium Lite High strength (Wt 10 ppg, Yield 3.58 ft³/sk, 72 hr comp strength 1925 psi)
Cement will be circulated from the shoe to the liner top.
Note: Actual volumes to be calculated from caliper log.

6. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>
12,601'-15,450'	LSND with H2S Scavenger	9.0-9.5	38-50	<10 cc's

Drilling will be conducted using a closed-loop mud system. Metal, above ground mud tanks will be utilized.

7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

No cores are anticipated.

Application for Permit to Drill
Anschutz Exploration Corporation
Island Ranch D#1 ST Well
Sec. 14, T4N-R7E (Surface Location)
Summit County, Utah

CONFIDENTIAL-TIGHT HOLE

DRILLING PROGRAM

8. Anticipated Pressures and H2S

The maximum anticipated bottom hole pressure is 6500 psi. The Hydrogen Sulfide concentration found in the Phosphoria and Weber formations is estimated to be 15%.

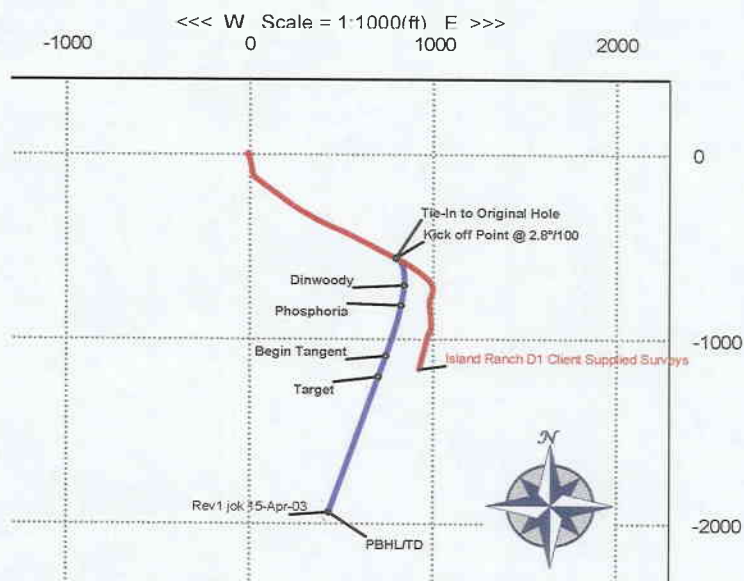
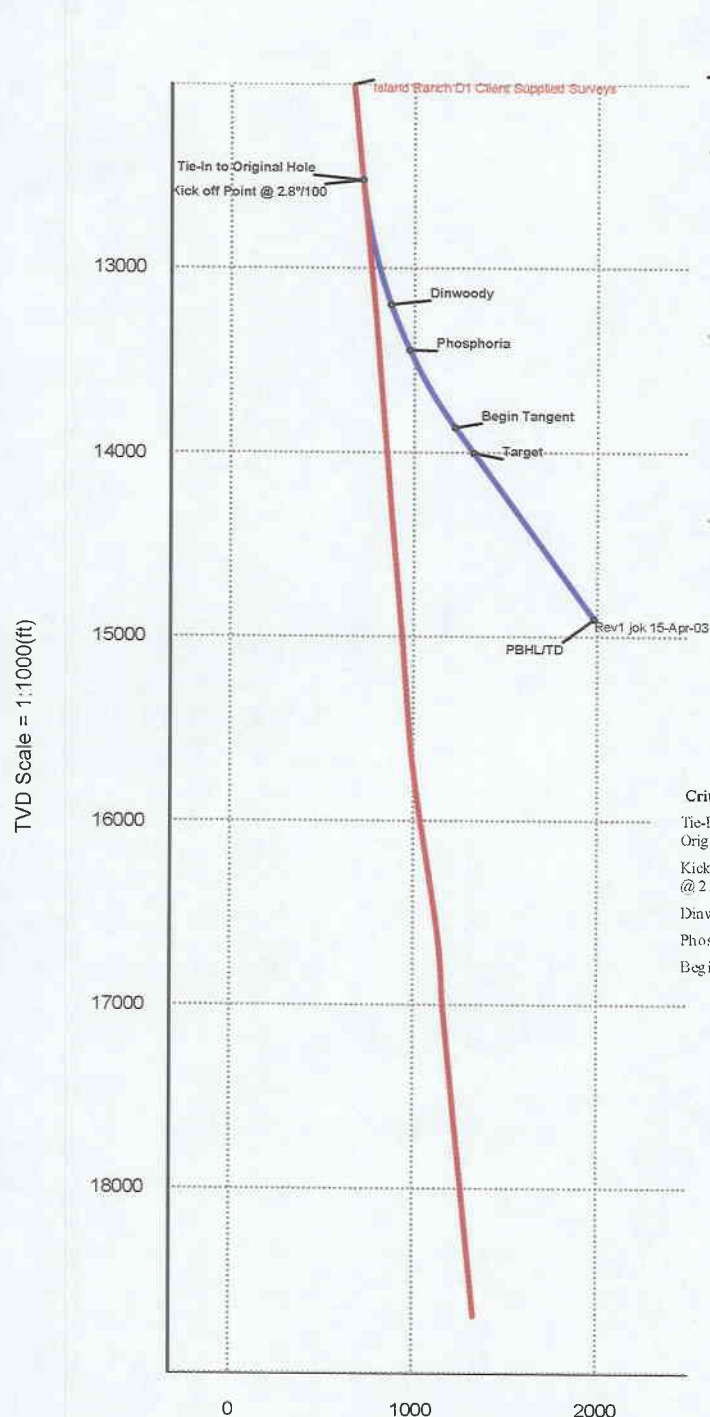
9. Water Source

A water well is presently on location. All appropriate water permits will be filed with the Utah Division of Water Resources.

T23687
lc

10. Other Information

Sidetrack and drilling operations are planned to commence in May 2003.
It is anticipated that these operations will take approximately 60 days.

Well
Island Ranching D1Field
UT, Summit CountyStructure
Anschutz 14-4N-7E

Critical Point	MD	INCL	AZIM	Critical Points				
				TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Tie-In to Original Hole	12600.00	9.77	114.30	12522.06	717.91	-558.28	796.06	0.00
Kick off Point @ 2.8°/100	12601.00	9.77	114.46	12523.05	718.02	-558.35	796.22	2.80
Dinwoody	13295.73	20.61	184.41	13197.00	871.92	-706.07	840.88	2.80
Phosphoria	13565.17	27.46	192.24	13443.00	973.83	-814.22	824.04	2.80
Begin Tangent	14073.98	41.03	200.11	13862.82	1222.21	-1087.10	741.34	2.80

Proposal - Draft Only

Vertical Section (ft) Azim = 167.45°, Scale = 1:1000 Origin = 0 N/S, 0 E/V

Quality Control

Date Drawn: Wed 02:34 PM
April 16, 2003

Drawn by: John O'Keefe

Checked by: James Wimberg

Client OK:

Rev1 jok 15-Apr-03 Proposal

Report Date: April 16, 2003 Client: Anschutz Exploration Company Field: UT, Summit County (NAD 27, Utah, NZ) Structure / Slot: Anschutz 14-4N-7E (Island Ranching D1) / Island Ranching D1 Well: Island Ranching D1 Borehole: Sidetrack 1 UWI/AP#: Survey Name / Date: Rev1 jok 15-Apr-03 / April 16, 2003 Tort / AHD / DDI / ERD ratio: 96.663° / 2506.31 ft / 5.400 / 0.168 Grid Coordinate System: NAD27 Utah State Planes, Northern Zone, US Feet Location Lat/Long: Location Grid N/E Y/X: Grid Convergence Angle: Grid Scale Factor:	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 167.450° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 7401.0 ft relative to Sea Bed / Ground Level Elevation: Magnetic Declination: Total Field Strength: Magnetic Dip: Declination Date: Magnetic Declination Model: North Reference: Total Corr Mag North -> True North: Local Coordinates Referenced To: Well Head
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Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)
Tie-In/Surface	0.00	0.00	314.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-45.99M
	100.00	0.01	314.01	100.00	0.00	0.00	0.00	0.01	314.01	0.01	-45.99M
	200.00	0.01	314.01	200.00	-0.02	0.02	-0.02	0.02	314.01	0.01	-45.99M
	300.00	0.02	314.01	300.00	-0.04	0.04	-0.04	0.05	314.01	0.01	-45.99M
	400.00	0.03	314.01	400.00	-0.08	0.07	-0.07	0.09	314.01	0.01	-45.99M
	500.00	0.03	314.01	500.00	-0.12	0.10	-0.11	0.15	314.01	0.01	-45.99M
	600.00	0.04	314.01	600.00	-0.18	0.15	-0.15	0.21	314.01	0.01	-45.99M
	700.00	0.05	314.01	700.00	-0.24	0.20	-0.21	0.29	314.01	0.01	-45.99M
	800.00	0.05	314.01	800.00	-0.31	0.26	-0.27	0.38	314.01	0.01	-45.99M
	900.00	0.06	314.01	900.00	-0.40	0.33	-0.34	0.48	314.01	0.01	-45.99M
	1000.00	0.07	314.01	1000.00	-0.49	0.41	-0.42	0.59	314.01	0.01	-45.99M
	1100.00	0.07	314.01	1100.00	-0.59	0.49	-0.51	0.71	314.01	0.01	-45.99M
	1200.00	0.08	314.01	1200.00	-0.71	0.59	-0.61	0.85	314.01	0.01	-45.99M
	1300.00	0.09	314.01	1300.00	-0.83	0.69	-0.71	0.99	314.01	0.01	-45.99M
	1400.00	0.09	314.01	1400.00	-0.96	0.80	-0.83	1.15	314.01	0.01	-45.99M
	1500.00	0.10	314.01	1500.00	-1.10	0.92	-0.95	1.32	314.01	0.01	-45.99M
	1600.00	0.11	314.01	1600.00	-1.26	1.05	-1.08	1.50	314.01	0.01	-45.99M
	1700.00	0.11	314.01	1700.00	-1.42	1.18	-1.22	1.70	314.01	0.01	-45.99M
	1800.00	0.12	314.01	1800.00	-1.59	1.32	-1.37	1.90	314.01	0.01	-45.99M
	1900.00	0.13	314.01	1900.00	-1.77	1.47	-1.53	2.12	314.01	0.01	-45.99M
	2000.00	0.13	314.01	2000.00	-1.96	1.63	-1.69	2.35	314.01	0.01	-45.99M

2100.00	0.14	314.01	2100.00	-2.16	1.80	-1.86	2.59	314.01	0.01	-45.99M
2200.00	0.15	314.01	2200.00	-2.37	1.98	-2.05	2.84	314.01	0.01	-45.99M
2300.00	0.15	314.01	2300.00	-2.59	2.16	-2.24	3.11	314.01	0.01	-45.99M
2400.00	0.16	314.01	2400.00	-2.82	2.35	-2.43	3.38	314.01	0.01	-45.99M
2500.00	0.17	314.01	2500.00	-3.06	2.55	-2.64	3.67	314.01	0.01	-45.99M
2600.00	0.18	314.01	2600.00	-3.31	2.76	-2.86	3.97	314.01	0.01	-45.99M
2700.00	0.18	314.01	2700.00	-3.57	2.98	-3.08	4.28	314.01	0.01	-45.99M
2800.00	0.19	314.01	2799.99	-3.84	3.20	-3.31	4.61	314.01	0.01	-45.99M
2900.00	0.20	314.01	2899.99	-4.12	3.43	-3.55	4.94	314.01	0.01	-45.99M
3000.00	0.20	314.01	2999.99	-4.41	3.67	-3.80	5.29	314.01	0.01	-45.99M
3100.00	0.21	314.01	3099.99	-4.71	3.92	-4.06	5.65	314.01	0.01	-45.99M
3200.00	0.22	314.01	3199.99	-5.02	4.18	-4.33	6.02	314.01	0.01	-45.99M
3300.00	0.22	314.01	3299.99	-5.34	4.45	-4.60	6.40	314.01	0.01	-45.99M
3400.00	0.23	314.01	3399.99	-5.67	4.72	-4.89	6.79	314.01	0.01	-45.99M
3500.00	0.24	314.01	3499.99	-6.01	5.00	-5.18	7.20	314.01	0.01	-45.99M
3600.00	0.24	314.01	3599.99	-6.35	5.29	-5.48	7.62	314.01	0.01	-45.99M
3700.00	0.25	314.01	3699.99	-6.71	5.59	-5.79	8.04	314.01	0.01	-45.99M
3800.00	0.26	314.01	3799.99	-7.08	5.90	-6.10	8.48	314.01	0.01	-45.99M
3900.00	0.26	314.01	3899.99	-7.46	6.21	-6.43	8.94	314.01	0.01	-45.99M
4000.00	0.27	314.01	3999.99	-7.85	6.53	-6.76	9.40	314.01	0.01	-45.99M
4100.00	0.28	314.01	4099.98	-8.24	6.86	-7.10	9.88	314.01	0.01	-45.99M
4200.00	0.28	314.01	4199.98	-8.65	7.20	-7.45	10.37	314.01	0.01	-45.99M
4300.00	0.29	314.01	4299.98	-9.07	7.55	-7.81	10.86	314.01	0.01	-45.99M
4400.00	0.30	314.01	4399.98	-9.49	7.90	-8.18	11.38	314.01	0.01	-45.99M
4500.00	0.30	314.01	4499.98	-9.93	8.27	-8.56	11.90	314.01	0.01	-45.99M
4600.00	0.31	314.01	4599.98	-10.38	8.64	-8.94	12.43	314.01	0.01	-45.99M
4700.00	0.32	314.01	4699.98	-10.83	9.02	-9.34	12.98	314.01	0.01	-45.99M
4800.00	0.32	314.01	4799.97	-11.30	9.41	-9.74	13.54	314.01	0.01	-45.99M
4900.00	0.33	314.01	4899.97	-11.77	9.80	-10.15	14.11	314.01	0.01	-45.99M
4901.00	0.33	314.01	4900.97	-11.78	9.81	-10.15	14.11	314.01	0.01	-132.84M
5000.00	1.05	227.16	4999.97	-11.56	9.39	-11.02	14.48	310.42	1.09	-135.74M
5019.00	1.25	224.26	5018.96	-11.36	9.12	-11.29	14.52	308.92	1.09	-132.54M
5100.00	1.36	227.46	5099.94	-10.39	7.84	-12.62	14.85	301.85	0.16	-129.24M
5200.00	1.49	230.76	5199.91	-9.22	6.21	-14.50	15.77	293.20	0.16	-129.12M
5204.00	1.50	230.88	5203.91	-9.17	6.15	-14.58	15.82	292.86	0.16	157.70M
5269.00	1.49	157.70	5268.89	-7.96	4.83	-14.92	15.68	287.93	2.74	139.97M
5298.00	2.02	139.97	5297.88	-7.13	4.09	-14.45	15.02	285.80	2.60	141.59M
5300.00	2.03	141.59	5299.88	-7.07	4.03	-14.40	14.96	285.65	2.88	177.11M
5356.00	2.75	177.11	5355.83	-4.85	1.92	-13.72	13.85	277.95	2.88	153.27M
5400.00	2.88	153.27	5399.78	-2.74	-0.12	-13.17	13.17	269.46	2.65	146.98M
5413.00	3.00	146.98	5412.76	-2.11	-0.70	-12.84	12.86	266.88	2.65	140.99M
5456.00	4.24	140.99	5455.68	0.37	-2.88	-11.22	11.59	255.61	3.01	144.94M

Salt	5490.00	4.24	144.94	5489.58	2.66	-4.88	-9.71	10.87	243.30	0.86	146.10M
	5500.00	4.24	146.10	5499.56	3.34	-5.49	-9.29	10.80	239.41	0.86	150.04M
	5534.00	4.26	150.04	5533.46	5.72	-7.63	-7.96	11.03	226.21	0.86	159.93M
	5600.00	4.48	159.93	5599.27	10.61	-12.18	-5.85	13.51	205.67	1.19	160.92M
	5607.00	4.51	160.92	5606.25	11.16	-12.69	-5.67	13.90	204.07	1.19	161.07M
	5669.00	3.74	161.07	5668.09	15.59	-16.91	-4.22	17.43	194.00	1.24	160.97M
	5700.00	4.00	160.97	5699.02	17.67	-18.89	-3.54	19.22	190.60	0.85	160.88M
	5730.01	4.26	160.88	5728.95	19.82	-20.93	-2.83	21.12	187.69	0.85	163.92M
	5790.01	4.26	163.92	5788.78	24.26	-25.18	-1.48	25.22	183.37	0.38	164.05M
	5800.00	4.23	164.05	5798.75	24.99	-25.89	-1.28	25.92	182.82	0.36	164.92M
	5865.01	4.00	164.92	5863.59	29.65	-30.38	-0.03	30.38	180.05	0.36	166.90M
	5900.00	4.71	166.90	5898.48	32.31	-32.96	0.61	32.97	178.93	2.07	168.03M
	5926.00	5.24	168.03	5924.38	34.56	-35.16	1.10	35.18	178.20	2.07	-26.77G
	6000.00	5.26	167.94	5998.07	41.33	-41.78	2.51	41.86	176.56	0.02	-26.68G
	6018.01	5.26	167.92	6016.00	42.98	-43.40	2.86	43.49	176.23	0.02	2.29G
	6100.00	5.48	168.01	6097.63	50.65	-50.90	4.46	51.10	175.00	0.27	2.19G
	6106.01	5.50	168.02	6103.62	51.23	-51.47	4.58	51.67	174.92	0.27	22.70G
	6197.00	5.74	169.02	6194.17	60.14	-60.20	6.35	60.53	173.98	0.28	37.87G
	6200.00	5.75	169.09	6197.15	60.44	-60.49	6.40	60.83	173.96	0.36	37.80G
	6287.01	6.00	170.93	6283.71	69.33	-69.26	7.95	69.72	173.46	0.36	-5.85G
	6300.00	6.17	170.77	6296.62	70.71	-70.62	8.17	71.09	173.40	1.32	-5.69G
	6363.01	7.00	170.09	6359.22	77.92	-77.75	9.37	78.31	173.13	1.32	-173.19G
	6400.00	6.60	169.68	6395.95	82.30	-82.06	10.14	82.68	172.96	1.08	-172.78G
	6455.01	6.01	168.96	6450.62	88.34	-88.00	11.26	88.71	172.71	1.08	-124.74G
	6500.00	5.88	167.03	6495.37	93.00	-92.55	12.22	93.36	172.48	0.53	-122.82G
	6545.01	5.75	165.02	6540.15	97.55	-96.98	13.32	97.89	172.18	0.53	-167.45G
	6600.00	4.83	162.58	6594.91	102.61	-101.85	14.73	102.91	171.77	1.72	159.55M
TwinCrk	6648.00	4.04	159.55	6642.76	106.30	-105.36	15.93	106.56	171.40	1.72	158.09M
	6666.01	3.75	158.09	6660.73	107.51	-106.50	16.37	107.75	171.26	1.70	154.17M
	6700.00	4.03	154.17	6694.64	109.77	-108.61	17.30	109.98	170.95	1.13	148.97M
	6754.01	4.50	148.97	6748.50	113.63	-112.13	19.22	113.76	170.27	1.13	146.16M
	6800.00	4.49	146.16	6794.35	117.01	-115.17	21.15	117.10	169.59	0.48	144.14M
	6833.01	4.49	144.14	6827.26	119.41	-117.29	22.63	119.45	169.08	0.48	139.52M
	6900.00	4.26	139.52	6894.06	124.01	-121.31	25.78	124.02	168.00	0.63	131.72M
	7000.00	3.98	131.72	6993.80	130.11	-126.45	30.79	130.14	166.32	0.63	129.86M
	7022.01	3.93	129.86	7015.76	131.33	-127.44	31.94	131.38	165.93	0.63	125.46M
	7100.01	4.95	125.46	7093.52	135.95	-131.10	36.73	136.15	164.35	1.38	125.30M
	7200.01	5.23	125.30	7193.13	142.54	-136.24	43.96	143.16	162.12	0.28	10.64G
	7300.00	5.93	126.57	7292.64	149.82	-141.95	51.83	151.12	159.94	0.71	-7.07G
	7344.13	6.33	126.12	7336.52	153.37	-144.74	55.63	155.06	158.98	0.91	0.00G
	7400.00	6.33	126.12	7392.05	158.00	-148.37	60.60	160.27	157.78	0.00	-9.13G
	7500.00	7.04	125.19	7491.37	166.67	-155.16	70.06	170.24	155.70	0.72	4.70G

Nugget	7579.02	7.40	125.42	7569.76	174.04	-160.90	78.17	178.88	154.09	0.46	0.00G
	7600.00	7.40	125.42	7590.57	176.04	-162.46	80.37	181.25	153.68	0.00	30.19G
	7700.00	7.79	127.08	7689.69	185.99	-170.28	91.02	193.08	151.87	0.45	-30.83G
	7800.00	8.54	124.11	7788.68	196.55	-178.53	102.58	205.90	150.12	0.86	134.07G
	7900.00	8.14	127.11	7887.62	207.35	-186.97	114.37	219.17	148.54	0.59	-14.47G
	7953.21	9.51	124.98	7940.20	213.46	-191.76	120.98	226.73	147.75	2.65	0.00G
	8000.00	9.51	124.98	7986.34	219.17	-196.19	127.31	233.88	147.02	0.00	164.18G
	8010.56	8.89	126.12	7996.77	220.42	-197.17	128.69	235.45	146.87	6.12	0.00G
	8100.00	8.89	126.12	8085.13	230.80	-205.32	139.85	248.42	145.74	0.00	59.41G
	8200.00	8.94	126.66	8183.93	242.49	-214.51	152.33	263.10	144.62	0.10	-88.04G
	8300.00	8.95	125.27	8282.71	254.13	-223.64	164.91	277.87	143.60	0.22	35.22G
	8330.12	9.14	126.11	8312.46	257.67	-226.41	168.76	282.38	143.30	0.77	0.00G
	8400.00	9.14	126.11	8381.45	266.00	-232.95	177.72	293.00	142.66	0.00	-12.26G
	8447.57	9.45	125.70	8428.39	271.75	-237.45	183.95	300.37	142.24	0.67	0.00G
	8500.00	9.45	125.70	8480.11	278.17	-242.48	190.94	308.63	141.78	0.00	40.71G
	8562.28	9.89	127.87	8541.51	286.11	-248.74	199.31	318.75	141.30	0.92	0.00G
	8565.00	9.89	127.87	8544.19	286.47	-249.03	199.68	319.20	141.28	0.00	0.00G
	8600.00	9.89	127.87	8578.67	291.10	-252.72	204.43	325.05	141.03	0.00	-146.26G
	8700.00	9.29	125.35	8677.27	303.71	-262.66	217.79	341.21	140.34	0.73	-174.97G
	8800.00	8.82	125.08	8776.02	315.36	-271.74	230.65	356.43	139.68	0.47	-128.63G
	8900.00	8.61	123.29	8874.87	326.40	-280.25	243.18	371.05	139.05	0.34	-145.69G
	9000.00	8.34	122.01	8973.78	336.86	-288.21	255.58	385.21	138.43	0.33	-80.17G
	9100.00	8.35	121.62	9072.72	347.00	-295.86	267.92	399.14	137.84	0.06	-45.39G
	9200.00	8.70	119.32	9171.61	357.11	-303.37	280.69	413.31	137.22	0.49	-30.58G
	9300.00	9.22	117.42	9270.39	367.31	-310.76	294.40	428.07	136.55	0.60	145.27G
	9400.00	8.75	119.59	9369.16	377.56	-318.21	308.13	442.94	135.92	0.58	2.80G
	9500.00	9.99	119.94	9467.83	388.52	-326.29	322.26	458.60	135.36	1.24	-173.44G
	9600.00	9.11	119.30	9566.44	399.66	-334.49	336.68	474.59	134.81	0.89	-14.24G
	9700.00	9.42	118.82	9665.14	410.35	-342.31	350.75	490.11	134.30	0.32	171.60G
	9774.00	9.13	119.09	9738.17	418.25	-348.09	361.19	501.62	133.94	0.40	171.08G
Ankareh	9800.00	9.03	119.19	9763.84	420.98	-350.09	364.77	505.59	133.82	0.39	-35.01G
	9900.00	10.23	114.58	9862.43	431.57	-357.61	379.70	521.59	133.28	1.43	149.50G
	10000.00	9.93	115.61	9960.89	442.26	-365.03	395.55	538.24	132.70	0.35	44.15G
	10100.00	10.02	116.11	10059.38	453.02	-372.58	411.14	554.84	132.18	0.12	-31.70G
	10200.00	10.54	114.37	10157.77	463.95	-380.19	427.28	571.93	131.66	0.61	-39.85G
	10300.00	10.77	113.35	10256.05	474.92	-387.66	444.19	589.56	131.11	0.30	-22.90G
	10400.00	11.41	111.99	10354.18	486.01	-395.07	461.94	607.84	130.54	0.69	165.52G
	10500.00	10.70	112.98	10452.33	497.01	-402.40	479.66	626.10	129.99	0.73	174.08G
	10600.00	9.65	113.63	10550.75	507.35	-409.38	495.88	643.03	129.54	1.06	-176.95G
	10700.00	7.94	112.97	10649.57	516.31	-415.44	509.92	657.73	129.17	1.71	43.99G
	10800.00	8.55	116.81	10748.54	525.04	-421.49	522.92	671.63	128.87	0.82	-7.71G

Thaynes	10900.00	9.29	116.19	10847.33	534.81	-428.40	536.79	686.79	128.59	0.75	2.33G
	10925.00	9.37	116.21	10872.00	537.34	-430.19	540.43	690.74	128.52	0.32	2.79G
	11000.00	9.61	116.28	10945.97	545.09	-435.66	551.52	702.83	128.31	0.32	6.72G
	11100.00	10.07	116.59	11044.50	555.84	-443.27	566.82	719.57	128.03	0.46	11.83G
	11200.00	10.70	117.30	11142.86	567.31	-451.44	582.89	737.26	127.76	0.64	-18.33G
	11299.99	11.00	116.78	11241.06	579.30	-459.99	599.65	755.77	127.49	0.32	0.00G
	11300.00	11.00	116.78	11241.07	579.31	-460.00	599.66	755.77	127.49	0.74	-1.26G
	11399.99	11.74	116.70	11339.10	591.79	-468.86	617.26	775.14	127.22	0.74	0.00G
	11400.00	11.74	116.70	11339.11	591.79	-468.87	617.26	775.14	127.22	0.45	-13.76G
	11499.99	12.18	116.19	11436.93	604.83	-478.09	635.82	795.51	126.94	0.45	0.00G
	11500.00	12.18	116.19	11436.94	604.83	-478.09	635.82	795.51	126.94	1.10	166.57G
	11599.99	11.11	117.52	11534.87	617.63	-487.20	653.83	815.39	126.69	1.10	0.00G
	11600.00	11.11	117.52	11534.88	617.63	-487.20	653.83	815.39	126.69	0.67	-176.90G
	11699.99	10.44	117.32	11633.11	629.64	-495.81	670.42	833.84	126.48	0.67	0.00G
	11700.00	10.44	117.32	11633.12	629.64	-495.81	670.42	833.84	126.48	1.11	180.00G
	11799.99	9.33	117.36	11731.62	640.65	-503.69	685.67	850.80	126.30	1.11	0.00G
	11800.00	9.33	117.36	11731.63	640.65	-503.69	685.67	850.80	126.30	0.13	72.20G
	11899.99	9.37	118.11	11830.29	651.15	-511.25	700.05	866.86	126.14	0.13	0.00G
	11900.00	9.37	118.11	11830.30	651.16	-511.26	700.05	866.86	126.14	0.52	-81.58G
	11999.99	9.46	114.98	11928.95	661.46	-518.56	714.68	882.99	125.96	0.52	0.00G
	12000.00	9.46	114.98	11928.96	661.47	-518.56	714.68	882.99	125.96	1.16	-176.44G
	12099.99	8.30	114.48	12027.75	670.82	-525.02	728.70	898.14	125.77	1.16	0.00G
	12100.00	8.30	114.48	12027.76	670.82	-525.02	728.70	898.14	125.77	0.33	85.85G
	12199.99	8.33	116.73	12126.69	679.75	-531.27	741.74	912.37	125.61	0.33	0.00G
	12200.00	8.33	116.73	12126.70	679.75	-531.27	741.74	912.37	125.61	0.16	34.27G
	12299.99	8.46	117.33	12225.62	689.05	-537.91	754.74	926.81	125.48	0.16	0.00G
	12300.00	8.46	117.33	12225.63	689.05	-537.91	754.74	926.81	125.48	0.23	171.51G
	12399.99	8.23	117.57	12324.56	698.38	-544.60	767.62	941.18	125.35	0.23	0.00G
	12400.00	8.23	117.57	12324.57	698.38	-544.60	767.62	941.19	125.35	0.98	-18.86G
Woodside	12444.00	8.64	116.64	12368.10	702.50	-547.54	773.37	947.57	125.30	0.98	-18.03G
	12499.99	9.16	115.58	12423.41	707.91	-551.35	781.15	956.12	125.22	0.97	0.00G
	12500.00	9.16	115.58	12423.42	707.91	-551.35	781.15	956.13	125.22	0.65	-19.67G
	12599.99	9.77	114.30	12522.05	717.91	-558.28	796.06	972.31	125.04	0.65	0.00G
Tie-In to Original Hole	12600.00	9.77	114.30	12522.06	717.91	-558.28	796.06	972.31	125.04	0.57	97.03G
Kick off Point @ 2.8°/100	12601.00	9.77	114.46	12523.05	718.02	-558.35	796.22	972.48	125.04	2.80	96.87G
	12700.00	9.82	130.81	12620.62	729.85	-567.34	810.25	989.14	125.00	2.80	80.76G
	12800.00	10.64	145.95	12719.05	745.29	-580.57	821.88	1006.26	125.24	2.80	65.85G
	12900.00	12.05	158.28	12817.11	764.18	-597.92	830.91	1023.68	125.74	2.80	53.77G
	13000.00	13.89	167.73	12914.56	786.49	-619.35	837.33	1041.50	126.49	2.80	44.56G
	13100.00	16.00	174.87	13011.18	812.17	-644.81	841.12	1059.84	127.47	2.80	37.65G
	13200.00	18.30	180.32	13106.74	841.15	-674.24	842.26	1078.89	128.68	2.80	32.44G

Dinwoody	13295.73	20.61	184.41	13197.00	871.92	-706.07	840.88	1098.01	130.02	2.80	28.59G
	13300.00	20.71	184.57	13201.00	873.36	-707.57	840.76	1098.88	130.08	2.80	28.44G
	13400.00	23.21	187.95	13293.74	908.73	-744.73	836.63	1120.07	131.67	2.80	25.30G
Phosphoria	13500.00	25.77	190.71	13384.73	947.16	-785.61	829.86	1142.74	133.43	2.80	22.79G
	13565.17	27.46	192.24	13443.00	973.83	-814.22	824.04	1158.45	134.66	2.80	21.42G
	13600.00	28.37	192.99	13473.77	988.58	-830.13	820.48	1167.18	135.33	2.80	20.76G
	13700.00	31.00	194.91	13560.64	1032.88	-878.18	808.51	1193.69	137.37	2.80	19.08G
	13800.00	33.66	196.57	13645.13	1079.95	-929.64	793.98	1222.55	139.50	2.80	17.69G
Begin Tangent	13900.00	36.34	198.00	13727.04	1129.69	-984.39	776.92	1254.04	141.72	2.80	16.51G
	14000.00	39.03	199.26	13806.18	1181.97	-1042.30	757.37	1288.41	144.00	2.80	15.51G
	14073.98	41.03	200.11	13862.82	1222.21	-1087.10	741.34	1315.81	145.71	2.80	0.00G
	14100.00	41.03	200.11	13882.45	1236.59	-1103.13	735.46	1325.83	146.31	0.00	0.00G
	14200.00	41.03	200.11	13957.89	1291.85	-1164.78	712.90	1365.62	148.53	0.00	0.00G
Target	14257.14	41.03	200.11	14001.00	1323.43	-1200.00	700.00	1389.24	149.74	0.00	0.00G
	14300.00	41.03	200.11	14033.33	1347.12	-1226.42	690.33	1407.36	150.63	0.00	0.00G
	14400.00	41.03	200.11	14108.77	1402.38	-1288.06	667.76	1450.86	152.60	0.00	0.00G
	14500.00	41.03	200.11	14184.21	1457.65	-1349.70	645.19	1495.98	154.45	0.00	0.00G
	14600.00	41.03	200.11	14259.65	1512.91	-1411.34	622.63	1542.58	156.19	0.00	0.00G
	14700.00	41.03	200.11	14335.09	1568.18	-1472.98	600.06	1590.52	157.84	0.00	0.00G
	14800.00	41.03	200.11	14410.53	1623.44	-1534.62	577.49	1639.68	159.38	0.00	0.00G
	14900.00	41.03	200.11	14485.97	1678.70	-1596.26	554.92	1689.97	160.83	0.00	0.00G
	15000.00	41.03	200.11	14561.40	1733.97	-1657.91	532.36	1741.28	162.20	0.00	0.00G
	15100.00	41.03	200.11	14636.84	1789.23	-1719.55	509.79	1793.52	163.49	0.00	0.00G
PBHL/TD	15200.00	41.03	200.11	14712.28	1844.50	-1781.19	487.22	1846.62	164.70	0.00	0.00G
	15300.00	41.03	200.11	14787.72	1899.76	-1842.83	464.65	1900.51	165.85	0.00	0.00G
	15400.00	41.03	200.11	14863.16	1955.03	-1904.47	442.09	1955.11	166.93	0.00	0.00G
	15450.16	41.03	200.11	14901.00	1982.75	-1935.39	430.77	1982.75	167.45	0.00	0.00G

Survey Type: Raw Proposal

Survey Error Model: SLB ISCWSA 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00
4901.00
12600.00

MD To (ft) EOU Freq Survey Tool Type
4901.00 Act-Stns SLB_BLIND
12600.00 Act-Stns SLB_MWD-STD
15450.16 1/100.00 ft SLB_MWD-STD

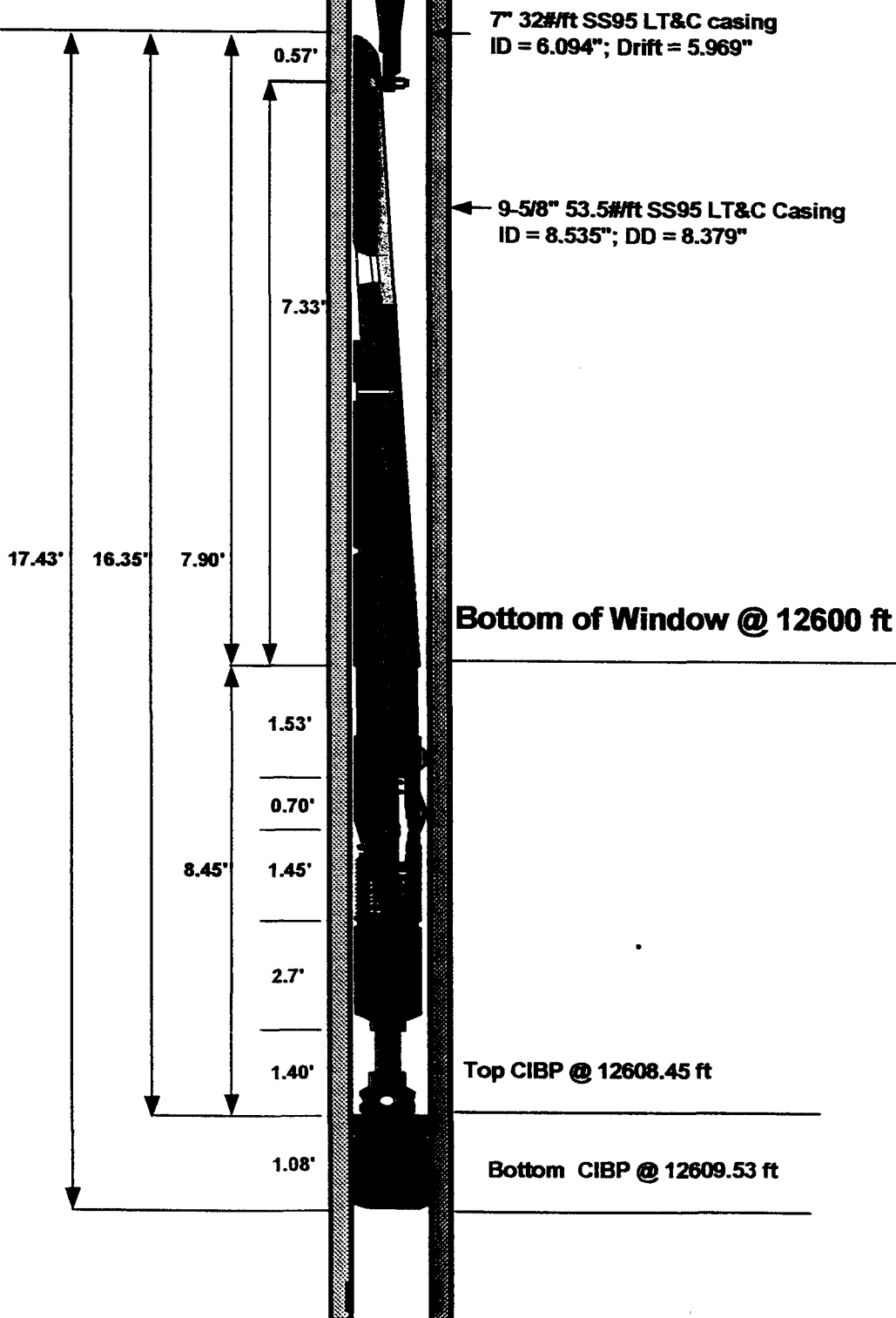


ATTACHMENT # 4

*DRAFT for milling 2
strings casing*



Top Whipstock @ 12592.10 ft





2400 ANACONDA TOWER
555 SEVENTEENTH STREET
DENVER, COLORADO 80202
TELEPHONE 303-298-1000
FAX 303-298-8881

May 15, 2003

Utah Division of Oil, Gas and Mining
1592 West North Temple, Suite 210
Box 145801
Salt Lake City, UT 84114-5801

RE: Sundry Notice
Island Ranching D-1 (API 4304330161)
Well Plan information

Gentlemen:

Attached please find 2 copies of a sundry for the Island Ranching D-1 Well in Summit County.

Please call me if you need additional information.

Sincerely,

James Oursland
Operations Manger

/dp
Enclosure

RECEIVED

MAY 16 2003

DIV. OF OIL, GAS & MINING

Well name:	05-03 Anschutz Island Ranching D-1	
Operator:	Anschutz Exploration	Project ID:
String type:	Production Liner	43-043-30161
Location:	Summit County	

Design parameters:
Collapse

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 274 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 7,200 ft

Burst

Max anticipated surface pressure: 5,565 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 7,353 psi

No backup mud specified. *Interpolate 6500 psi*

Tension:

API - tubing: 1.60 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Liner top: 7,200 ft
Directional Info - Build & Hold
Kick-off point: 4901 ft
Departure at shoe: 1982 ft
Maximum dogleg: 2.8 °/100ft
Inclination at shoe: 41.03 °

Tension is based on air weight.
Neutral point: 14,010 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8250	3.5	10.20	L-80	VAM ACE	14900	15450	2.797	167

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	7353	12120	1.65	7353	11560	1.57	79	233	2.97 J

Prepared by: Dustin K. Doucet
Utah Dept. of Natural Resources

Phone: 801-538-5281

Date: May 16, 2003
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 14900 ft, a mud weight of 9.5 ppg. The Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Memo to File

Date: May 20, 2003
From: Lisha Cordova^{lc} / Dan Jarvis
Re: Anschutz Exploration Corporation - Island Ranching D1 / 43-043-30161
Sec. 14, T4N, R7E, Summit County, Utah

An inspection of the above referenced location was performed on May 19, 2003, and pictures were taken. Anschutz plans to re-enter the SGW that was originally drilled & completed 11/1982 and was SI due to sour gas levels & lack of facilities for marketing it. A 100' plug back plug is to be spotted on the CIBP @13435' as approved by Doucet Doucet (DOGM). The well will be directionally drilled to a new BHL at approximately 1460 FSL 1405 FWL. A closed-loop mud system will be utilized, and the well pad size will remain nearly the same. The far north edge of the pad has some visible signs of slippage, which was discussed on site with Dave Hildreth/Orbis Eng. Mr. Hildreth will be overseeing the construction of the location and will compact soils to stabilize pad. He will also be overseeing drilling operations. Minimal dirt work is required and stakes are in place. A representative with Intermountain Safety (H2S) will be on location at all times during drilling operations and an alternative emergency escape route is available. In addition, a H2S contingency plan has been submitted with the proposed drilling plans. An Anschutz representative recently met with the surface owner and a surface agreement is in place, as stated by Mr. Hildreth. Following the on site review of May 19, 2003, verbal approval was given to begin the dirt work only which should take approximately 4 days to complete. Final approval will be forthcoming.

Attachment(s)













State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

(801) 538-5340 telephone

(801) 359-3940 fax

(801) 538-7223 TTY

www.nr.utah.gov

Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Lowell P. Braxton
Division Director

May 21, 2003

Anschutz Exploration Corporation
555 17th Street, Suite 2400
Denver, CO 80202

Re: Island Ranching D-1 Well, 915' FNL, 877' FWL, NW NW, Sec. 14, T. 4 North, R. 7 East,
Bottom Location 1460' FSL, 1405' FWL, NE SW, Sec. 14, T. 4 North, R. 7 East,
Summit County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-043-30161.

Sincerely,

for

John R. Baza
Associate Director

pab
Enclosures

cc: Summit County Assessor

Operator: Anschutz Exploration Corporation
Well Name & Number Island Ranching D-1
API Number: 43-043-30161
Lease: Fee

Location: NW NW Sec. 14 T. 4 North R. 7 East
Bottom Location: NE SW Sec. 14 T. 4 North R. 7 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



EXPLORATION CORPORATION

555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

May 20, 2003

FAX: 801-359-3940

Fed Ex Overnight

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Attn: Lisha Cordova

Re: APD-Island Ranching D#1
T4N-R7E, Sec. 14:
(API 4304330161)

Ladies and Gentlemen:

In accordance with Rule 649-3-11 of Utah Oil and Gas Conservation Rules, for directional drilling, The Anschutz Corporation is the owner of all the oil and gas within a radius of 460' from all points along the intended well bore of the referenced well.

Sincerely,

Pamela S. Kalstrom
Land Manager, CPL-ESA
Anschutz Exploration Corporation
pamkalstrom@tac-denver.com
303-299-1219
Fax: 303-299-1518

PSK/jp

RECEIVED

MAY 21 2003

DIV. OF OIL, GAS & MINING

DOUBLE JACK TESTING & SERVICES, INC.

Phone (307) 789-9213

B.O.P TEST REPORT

B.O.P. TEST PERFORMED ON (DATE) 6/5/03

OIL COMPANY Anschutz

WELL NAME & NUMBER Island Ranch D-1 43-043-30161

SECTION 14

TOWNSHIP 4N

RANGE 7E

COUNTY & STATE Summit Utah

DRILLING CONTRACTOR Unit Drilling Rig #166

OIL COMPANY SITE REPRESENTATIVE _____

RIG TOOL PUSHER _____

TESTED OUT OF Evanston, Wyoming

NOTIFIED PRIOR TO TEST _____

COPIES OF THIS TEST REPORT SENT TO: Utah Oil & Gas Commission

BLM- Salt Lake City, Utah

ORIGINAL CHART & TEST REPORT ON FILE AT:

DOUBLE JACK TESTING & SERVICES, INC.

PO BOX 2097

EVANSTON, WY 82930

TESTED BY: Joe Bruce

RECEIVED

JUN 17 2003

DIV. OF OIL, GAS & MINING

SERVICES

[illegible]

COMPANY- Anschutz
CONTRACTOR- Unit #166
WELL NAME- Island Ranch D-1
DATE- 6/3/03 and 6/5/03
TEST UNIT- 154
TESTER(S)- J Bruce

Double Jack Testing & Services Inc.

FIELD TICKET 13

No 18959

Accounting Office:
Field Operations:

P.O. Box 516
Shoshoni, WY
Evanston, WY
Rock Springs, WY
Big Piney, WY
Vernal, UT

Shoshoni, WY 82649 • (307) 876-9390
(307) 876-2308
(307) 789-9213
(307) 382-4020
(307) 276-5265
(435) 781-0448

DATE 6-5-03
☒ OPERATOR Amschutz
☐ CONTRACTOR Unit Drig Rig #166
WELL NAME Joland Ranch P-1

COUNTY Submitt STATE UT. SECTION 14 TOWNSHIP 4N. RANGE 7E.

Items Tested:

	LOW TEST PSI	TIME HELD MINUTES	HIGHEST PSI	TIME HELD MINUTES
Top Pipe Rams	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Bottom Pipe Rams	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Blind Rams	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Annular B.O.P.				<u>10</u>
Choke Manifold	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Choke Line	<u>250</u>	<u>10</u>	<u>5,000</u>	<u>10</u>
Kill Line	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>1</u>
Super Choke	<u>N/A</u>	<u>N/A</u>	<u>10,000</u>	<u>10</u>
Upper Kelly	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Lower Kelly	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Floor Valve	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Dart Valve	<u>250</u>	<u>10</u>	<u>10,000</u>	<u>10</u>
Casing	<u>N/A</u>			

Closing Unit PSI _____
Closing Time of Rams 4secs.
Closing Time of Annular 14secs.
Closed Casing Head Valve yes
Set Wear Sleeve _____

COMMENTS

ADDITIONAL TESTS & COMMENTS

	CHARGES
TEST PLUG <u>7" O.C.T. 3 1/2 IF + 7" O.C.T. 2 7/8 EUE</u>	<u>\$100.00</u>
TOP SUB. <u>3 1/2 IF + 2 7/8 EUE</u>	<u>\$50.00</u>
KELLY SUB. <u>3 1/2 IF</u>	
X-OVER SUB.	
OTHER	

QUANTITY	RATES	
<u>1 unit</u>	UNIT RATES	<u>to test B.O.P.S for 1st 7 Hrs.</u>
<u>13 Hrs.</u>	ADDITIONAL	<u>time over setup charge at \$75.00/Hr.</u>
<u>60 miles</u>	MILEAGE	<u>at \$2.00 mile</u>
	OTHER	
	OTHER	

SUBTOTAL \$2,645.00

NO ACCIDENTS

TAX _____

TOTAL _____

Joe Bruce

TESTED BY

154

DOUBLE JACK TESTING UNIT NUMBER

COMPANY REPRESENTATIVE

NOTICE TO ALL CUSTOMERS

If this account shall not be paid when due and it is placed with an attorney for collection, or if suit be instituted for collection, the undersigned agree(s) to pay in either case, reasonable expense of collection including attorney's fees and court cost in compliance with TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE, the following information disclosure, under the terms of our regular accounts, all amounts for service due and payable within THIRTY (30) DAYS from the receipt of an invoice for such services. A LATE CHARGE will be assessed when accounts are not paid when due. THE LATE CHARGE is computed by a "periodic rate" 1-3/4% PER MONTH which is an ANNUAL PERCENTAGE RATE OF 21% to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by acts on the billing date. No further credit can be reasonably anticipated in performing the work done as set forth above.

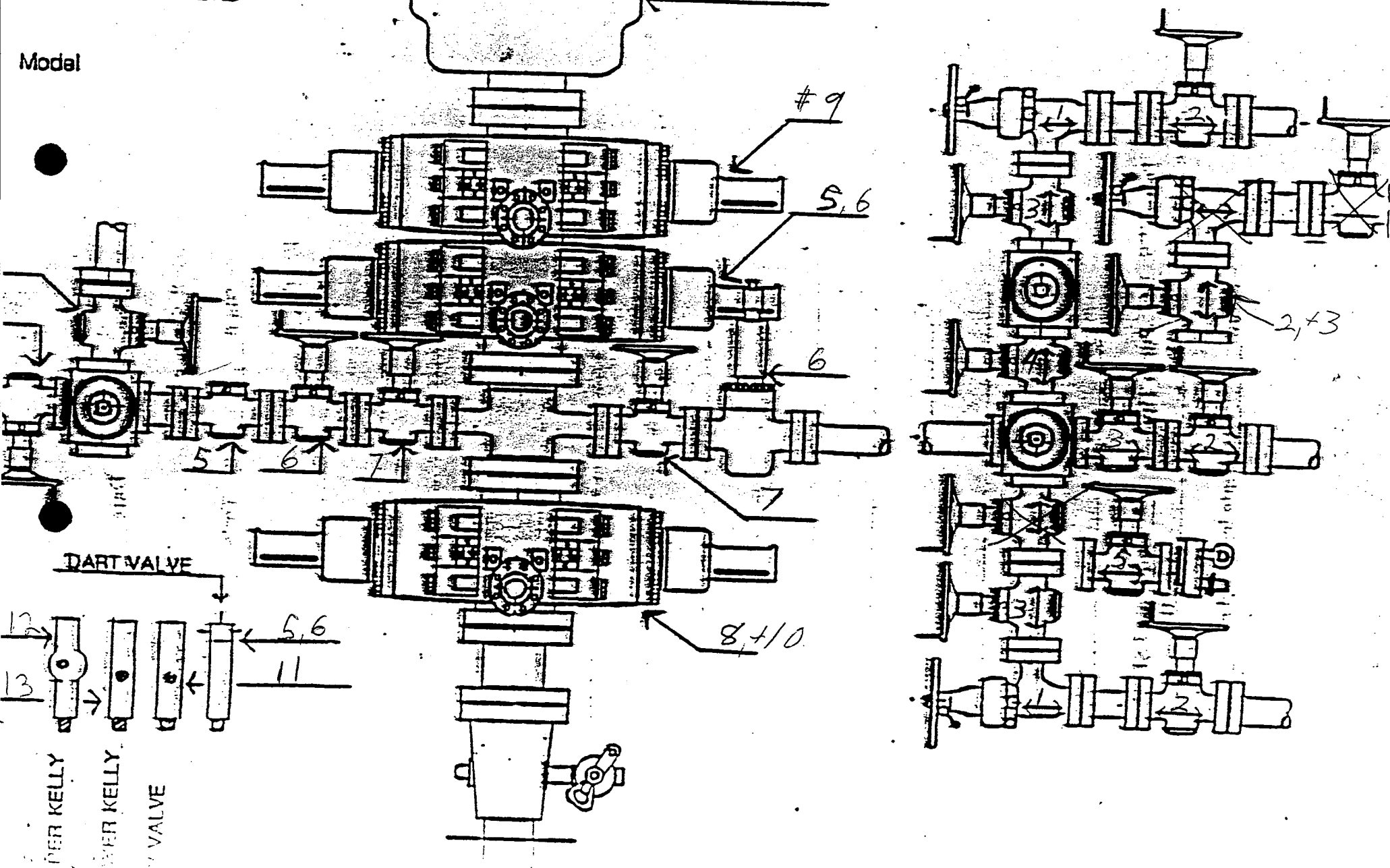
Anschutz Unit 100

10-M SYSTEM

RAM TYPE BOP

Model
11YD. CHOKE VALVE

Model



Accumulator Function Test

TO CHECK THE USABLE FLUID STORED IN THE NITROGEN BOTTLES ON THE ACCUMULATOR (O.S.O. #2 section III.A.2.e.i. or ii or iii)

1. Make sure all rams and annular are open and if applicable HCR is closed.
2. Ensure accumulator is pumped up to working pressure! (Shut off all pumps)
3. Open HCR Valve. (If applicable)
4. Close annular.
5. Close all pipe rams.
6. Open one set of the pipe rams to simulate closing the blind ram.
7. If you have a 3 ram stack open the annular to achieve the $50 \pm \%$ safety factor for 5M and greater systems).
8. Accumulator pressure should be 200 psi over desired precharge pressure, (Accumulator working pressure { 1500 psi = 750 desired psi } { 2000 and 3000 psi = 1000 desired psi }).

9. Record the remaining pressure 1150 psi.

If annular is closed, open it at this time and close HCR.

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS (O.S.O. #2 section III.A.2.f.)

Shut the accumulator bottles or spherical, (isolate them from the pumps & manifold) open the bleed off valve to the tank, (manifold psi should go to 0 psi) close bleed valve.

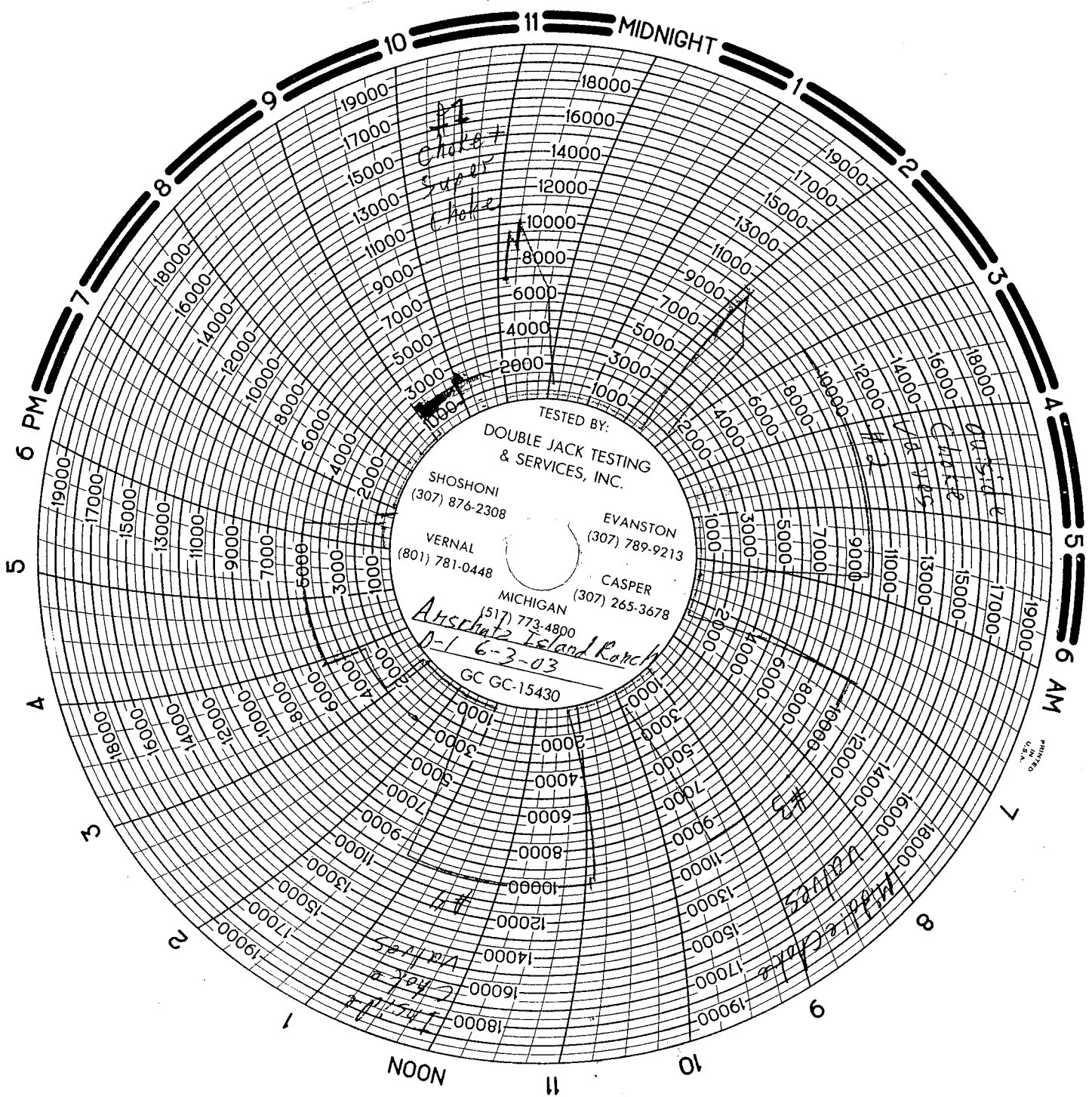
1. Open the HCR valve, (if applicable).
2. Close annular.
3. With pumps only, time how long it takes to regain manifold pressure to 200 psi over desired precharge pressure! (Accumulator working pressure { 1500 psi = 750 desired psi } { 2000 and 3000 psi = 1000 desired psi }).
4. Record elapsed time 1 min. 45 secs. (2 minutes or less)

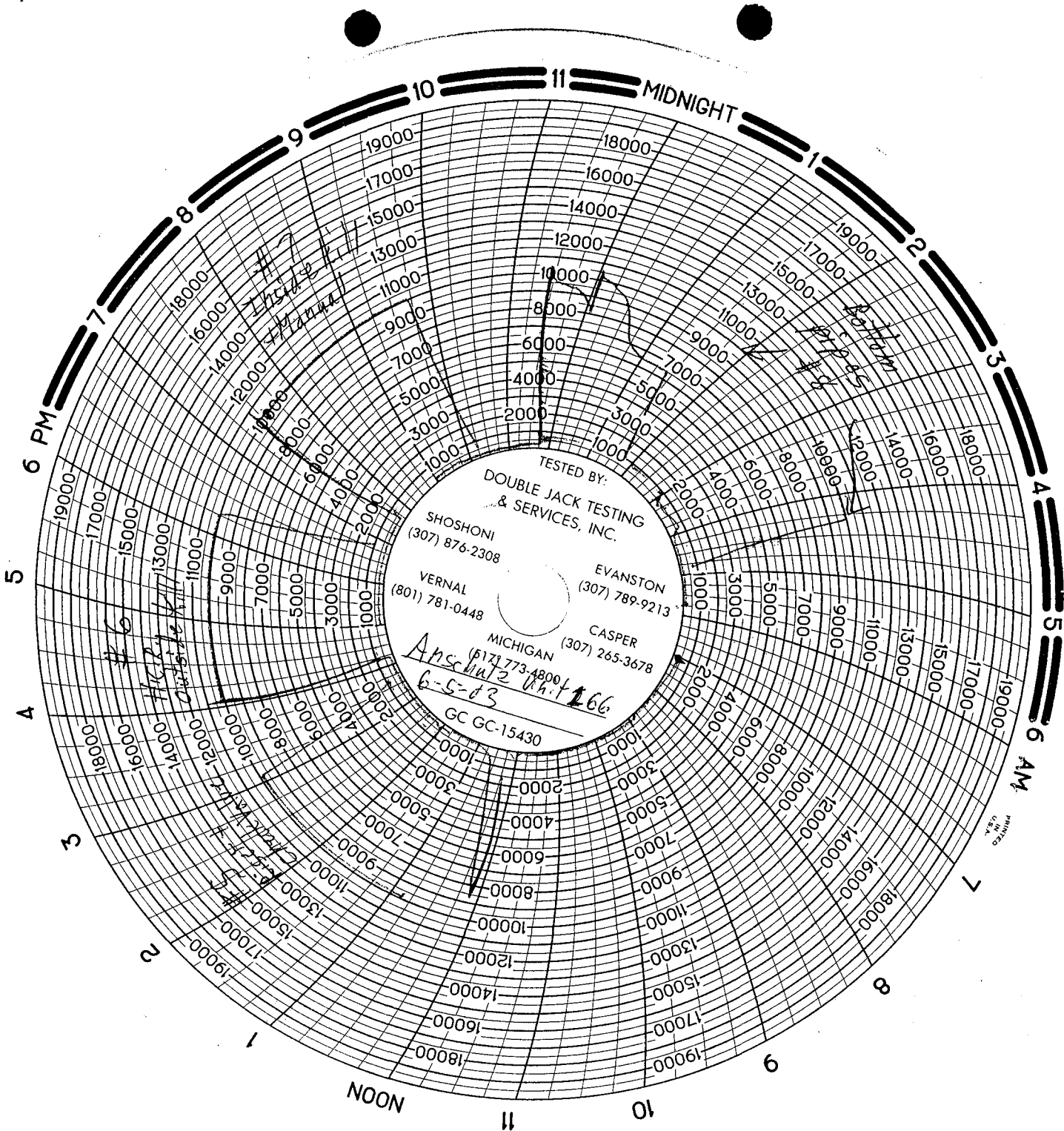
TO CHECK THE PRECHARGE ON BOTTLES OR SPHERICAL (O.S.O. #2 section III.A.2.d.)

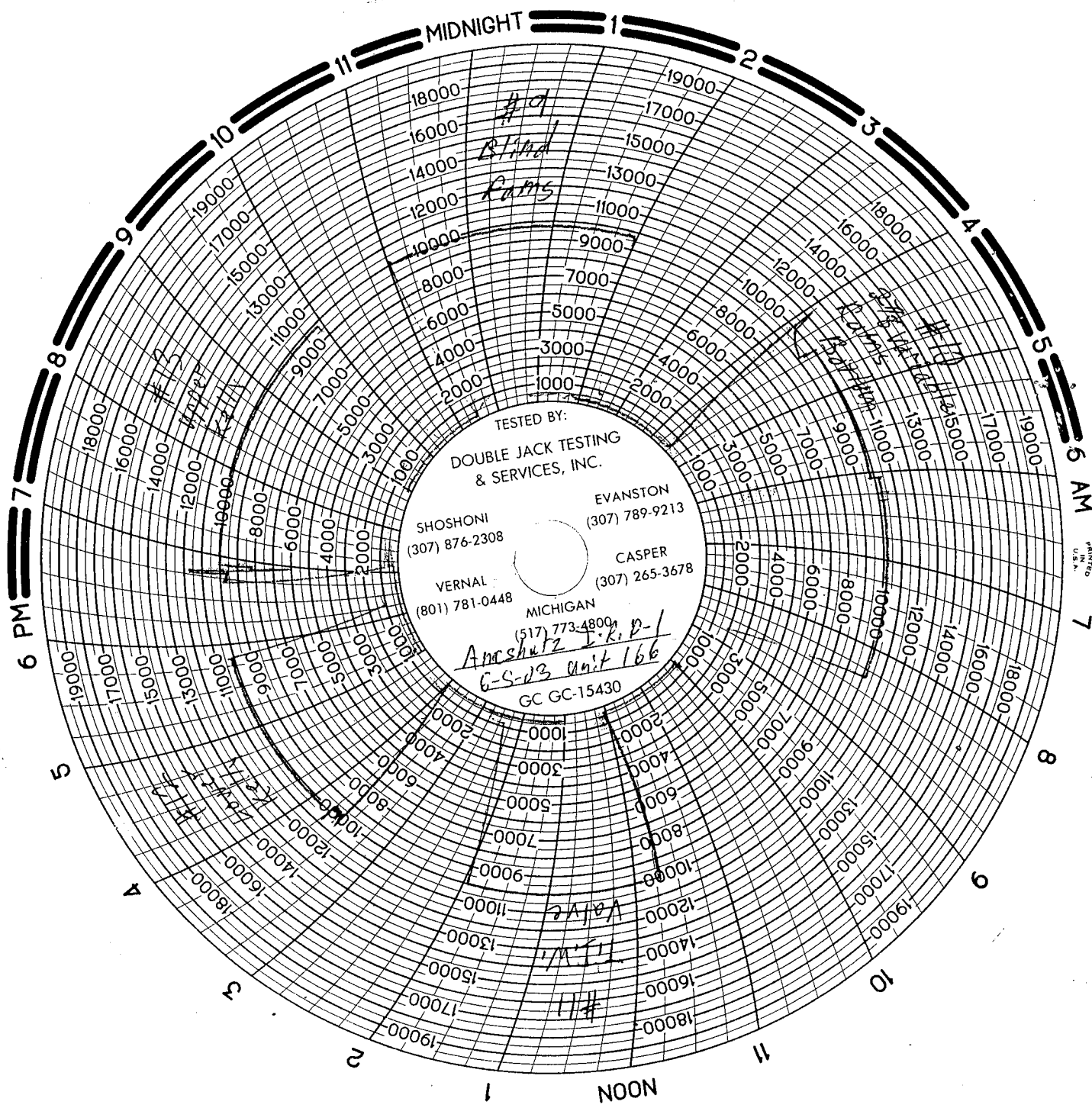
1. Open bottles back up to the manifold (pressure should be above the desired precharge pressure, { 1500 psi = 750 desired psi } { 2000 and 3000 psi = 1000 desired psi }) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to the tank.
3. Watch and record where the pressure drops (accumulator psi).

Record the pressure drop 1050 psi.

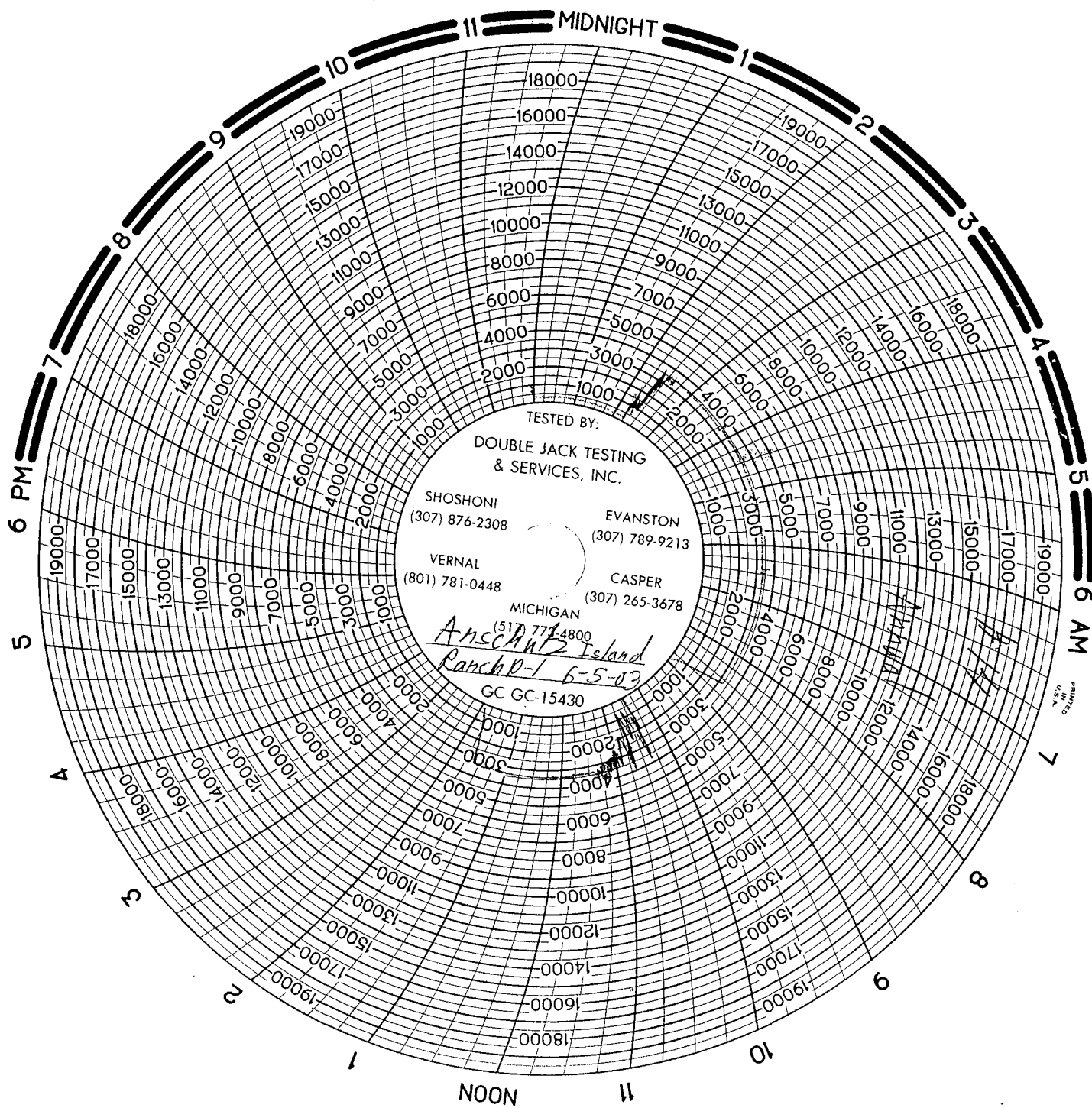
If pressure drops below MINIMUM precharge, (Accumulator working pressure { 1500 psi = 700 min. } { 2000 and 3000psi = 900 psi min. }) each bottle shall be independently checked with a gauge.







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U.S.A.



033

DOUBLE JACK TESTING & SERVICES, INC.
Phone (307) 789-9213

CONFIDENTIAL

B.O.P TEST REPORT

B.O.P. TEST PERFORMED ON (DATE) 7/3/03

OIL COMPANY Anschutz

WELL NAME & NUMBER Island Ranch D-1 43-043-30161

SECTION 14

TOWNSHIP 4N

RANGE 7E

COUNTY & STATE Summit, Utah

DRILLING CONTRACTOR Unit Drilling #166

OIL COMPANY SITE REPRESENTATIVE Dave Hildreth

RIG TOOL PUSHER Sergio

TESTED OUT OF Evanston, Wyoming

NOTIFIED PRIOR TO TEST _____

COPIES OF THIS TEST REPORT SENT TO: Utah Oil & Gas Commission
BLM- SLC Utah Office

ORIGINAL CHART & TEST REPORT ON FILE AT:

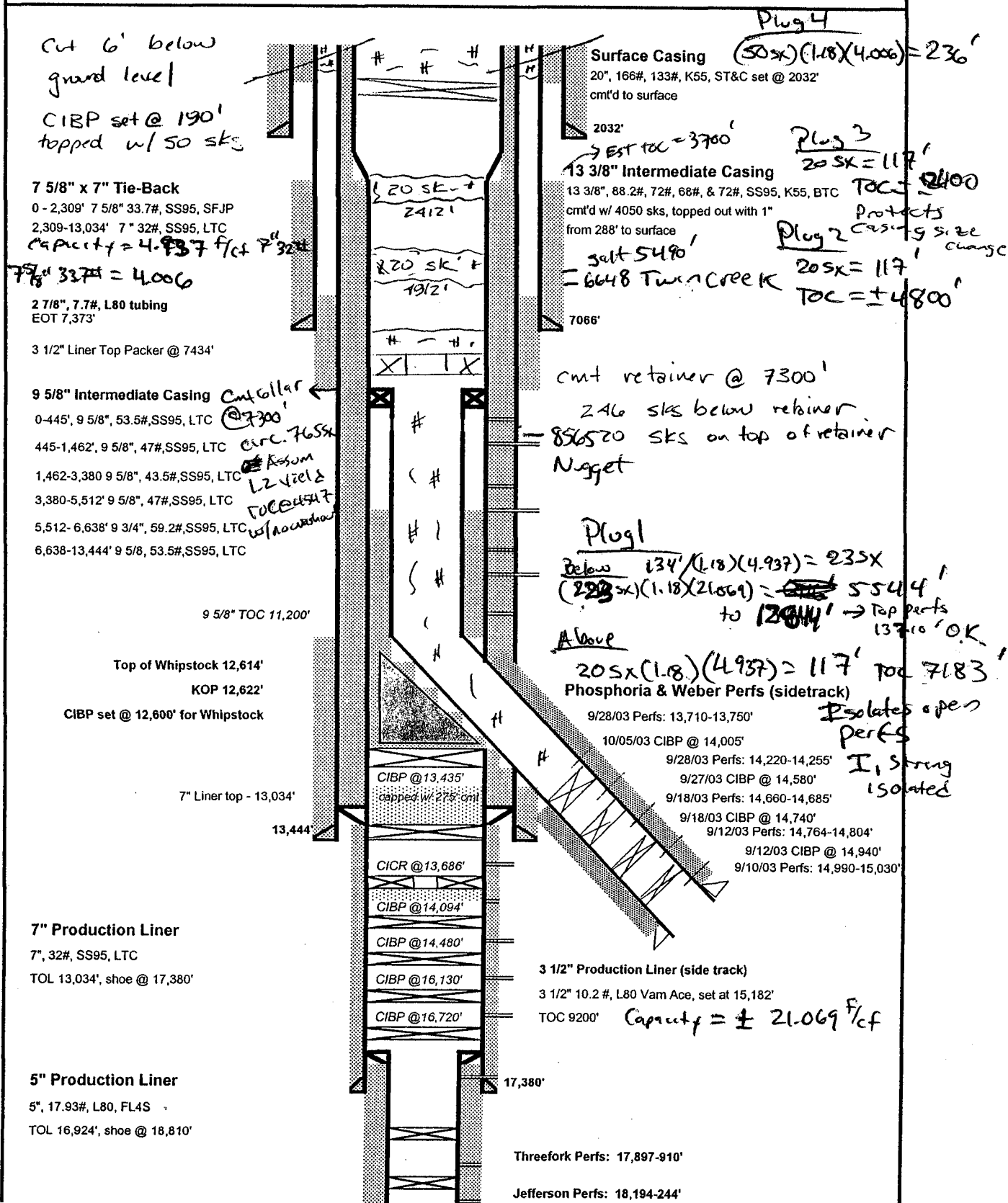
DOUBLE JACK TESTING & SERVICES, INC.
PO BOX 2097
EVANSTON, WY 82930

TESTED BY: Joe Bruce

RECEIVED
JUL 25 2003
DIV. OF OIL, GAS & MINING

PROPOSED P&ID DIAGRAM

AMOCO ISLAND RANCHING D-1
Summit County, Utah
API No. 43-043-30161



FIELD TICKET
No 18963

DATE 7-3-03
☒ OPERATOR Anschutz
☐ CONTRACTOR Unit Dr/g. #166
 WELL NAME Island Ranch D-1

COUNTY Summit STATE UT. SECTION 14 TOWNSHIP 4N. RANGE 7E.

Closing Unit PSI 1,200
Closing Time of Rams 3secs.
Closing Time of Annular 8secs.
Closed Casing Head Valve yes
Set Wear Sleeve N/A

COMMENTS
Co. Man Dave Hildreth
Driller Sergio

ADDITIONAL TESTS & COMMENTS

1000

	CHARGES
TEST PLUG	6" O.C.T. 3 1/2 IF \$75.00
TOP SUB.	3 1/2 IF \$50.00
KELLY SUB.	3 1/2 IF
X-OVER SUB.	
OTHER	

QUANTITY	RATES	
1 unit	UNIT RATES	\$1400.00
2 Hrs.	ADDITIONAL	\$150.00
60 miles	MILEAGE	\$120.00
	OTHER	
	OTHER	

SUBTOTAL \$ 4,795.00

2078
PURCHASE ORDER #
ALPultrix
COMPANY REPRESENTATIVE

Joe Bruce
TESTED BY NO ACCIDENTS
165
DOUBLE JACK TESTING UNIT NUMBER

TAX _____

TOTAL _____

NOTICE TO ALL CUSTOMERS

NOTICE TO ALL CUSTOMERS

If this account shall not be paid when due and it is placed with an attorney for collection, or if suit be instituted for collection, the undersigned agree(s) to pay in either case, reasonable expense of collection including attorney's fees and court cost in compliance with TRUTH IN LENDING AND THE UNIFORM CONSUMER CREDIT CODE, the following information disclosure, under the terms of our regular accounts, all amounts for service due and payable within THIRTY (30) DAYS from the receipt of an invoice for such services. A LATE CHARGE will be assessed when accounts are not paid when due. THE LATE CHARGE is computed by a "periodic rate" 1-3/4% PER MONTH which is an ANNUAL PERCENTAGE RATE OF 21% to the previous balance in the account on the billing date. No further credit can be extended on unpaid delinquent accounts until the delinquent account is paid in full. The contractor will not be held liable for damages caused by acts of God, or unforeseen circumstances that could not be reasonably anticipated in performing the work done as set forth above.

[illegible]

ANNULAR

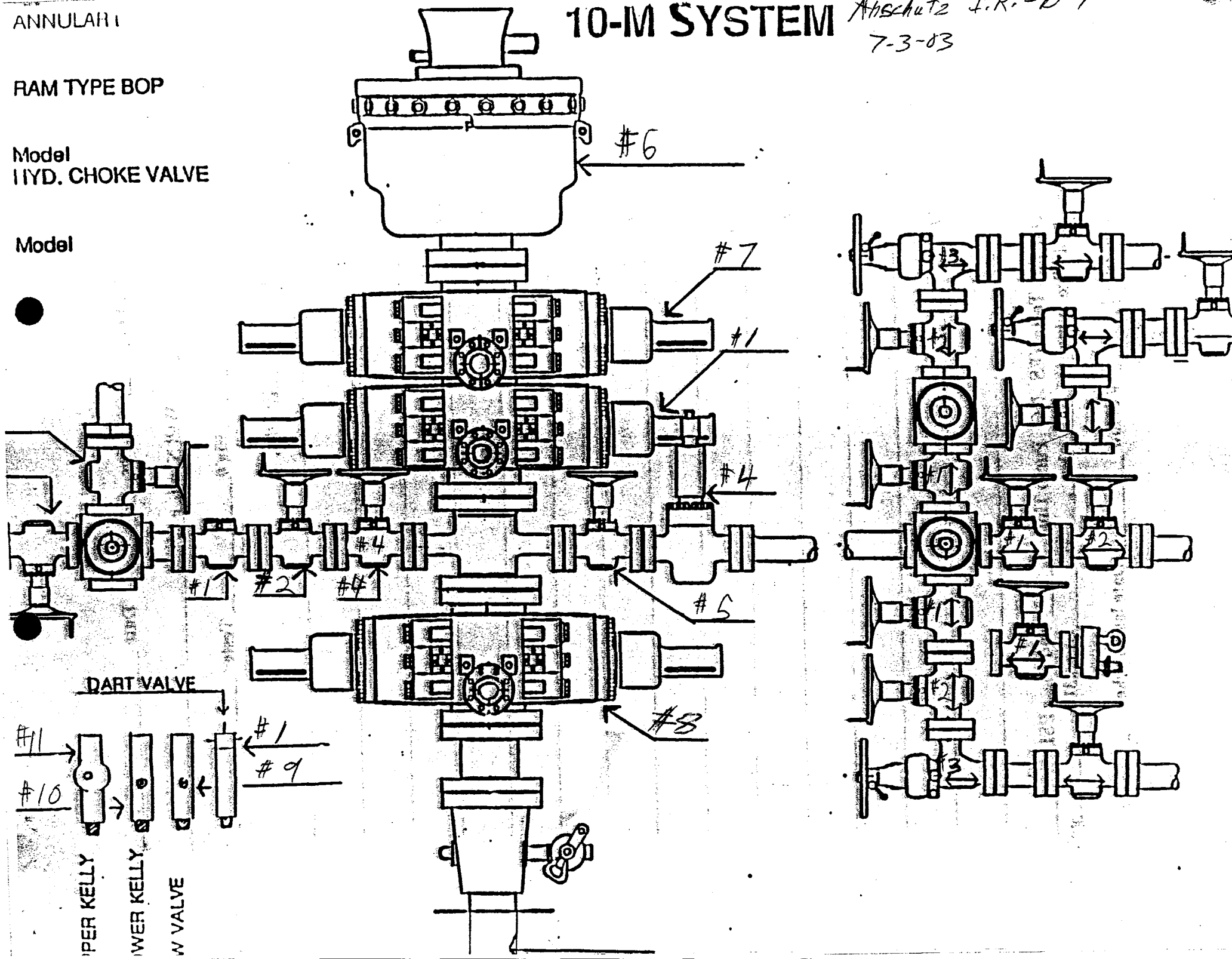
10-M SYSTEM

Abischutz I.R.-D-1
7-3-03

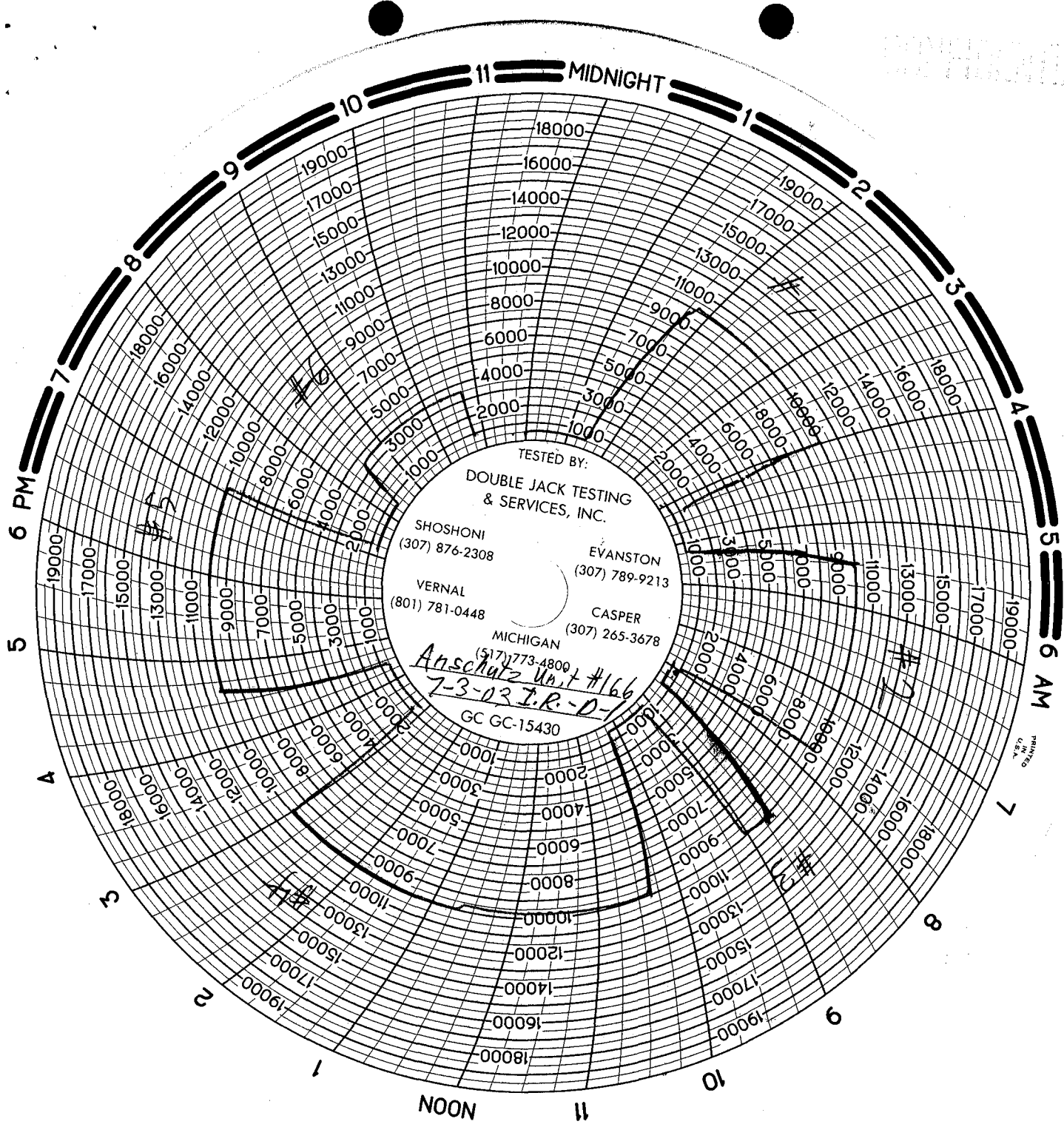
RAM TYPE BOP

Model
11YD. CHOKE VALVE

Model

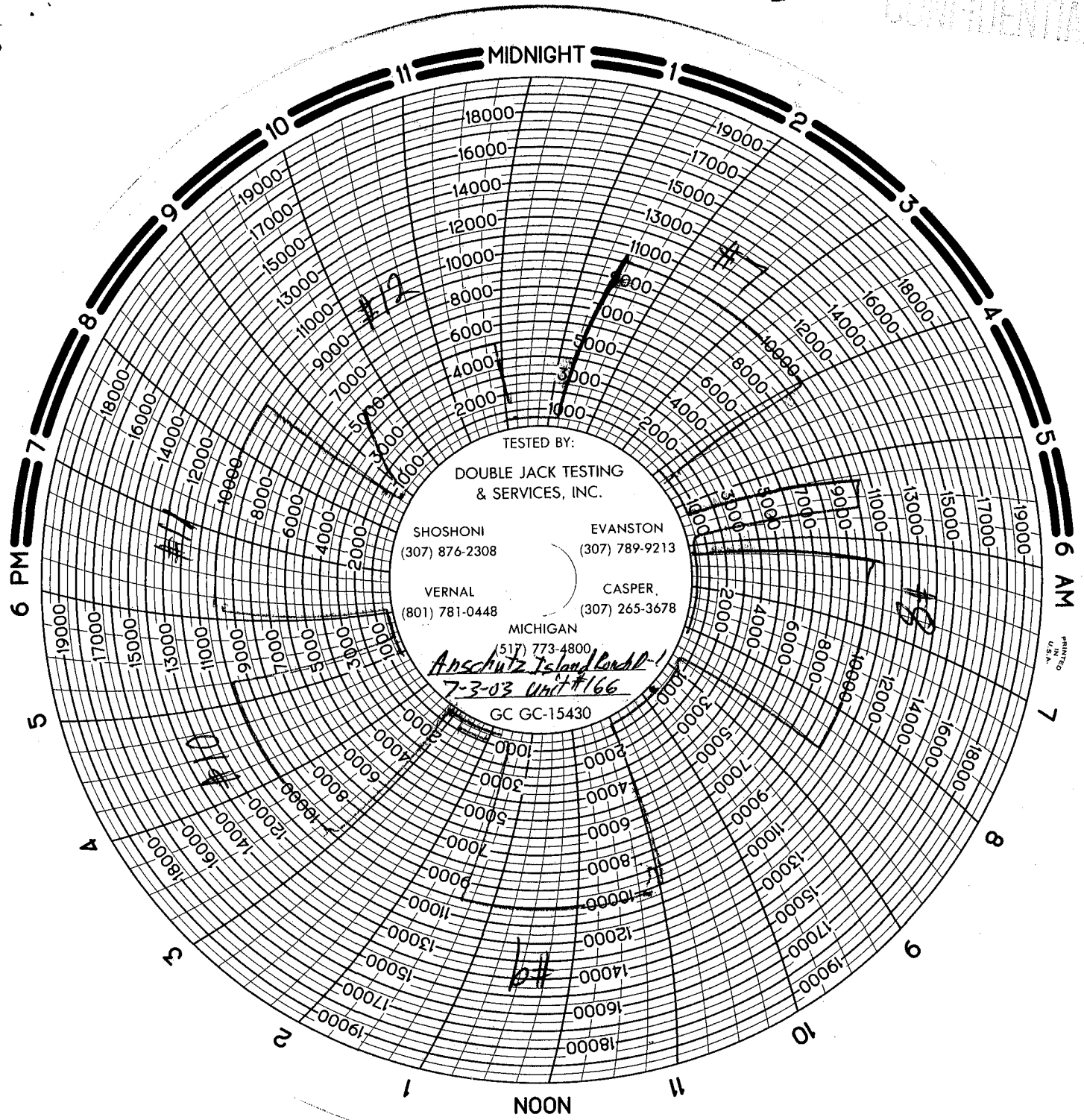


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TESTED BY:

DOUBLE JACK TESTING
& SERVICES, INC.

SHOSHONI
(307) 876-2308

EVANSTON
(307) 789-9213

VERNAL
(801) 781-0448

CASPER,
(307) 265-3678

MICHIGAN

(517) 773-4800

Anschutz Island Land-1

7-3-03 Unit #166

GC GC-15430

PRINTED
U.S.A.

032

OIL & GAS INFORMATION SYSTEM

FILE EDIT OIL GAS GAS PLANT OIL and GAS REPORTS DB MAINTENANCE OPTIONS HELP DATA CONVERSION LOGS DATABASE QUERY

Well Data

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME **ISLAND RANCHING D-1** API NUMBER **4304330161** WELL TYPE **GW** WELL STATUS **S**
OPERATOR **ANSCHUTZ EXPLORATION CORP** ACCOUNT **N7940** # OPERATOR APPROVED BY BLM / BIA ☐
DESIGNATED OPERATOR _____ ACCOUNT _____
FIELD NAME **ANSCHUTZ RANCH WEBER** FIELD NUMBER **502** FIRST PRODUCTION **7** **12** **1982** LA / PA DATE _____

WELL LOCATION:

SURF LOCATION **0915 FNL 0877 FWL**Q. S. T. R. M. **NNNW** **14** **04.0 N** **07.0 E** **S**COUNTY **SUMMIT**

UTM Coordinates:

SURFACE - N **4547865.00** BHL - N **4547138**SURFACE - E **489317.00** BHL - E **489443**LATITUDE **41.08389**LONGITUDE **111.12718**CONFIDENTIAL FLAG **C**

CONFIDENTIAL DATE _____

DIRECTIONAL / HORIZONTAL **D**HORIZONTAL LATERALS ☐ORIGINAL FIELD TYPE **D**WILDCAT TAX FLAG ☐CB-METHANE FLAG ☐ELEVATION **7371 GR**BOND NUMBER / TYPE **104253** **4**LEASE NUMBER **FEE**MINERAL LEASE TYPE **4**SURFACE OWNER TYPE **4**

INDIAN TRIBE _____

C.A. NUMBER **UT020-P49-85C687**

UNIT NAME _____

CUMULATIVE PRODUCTION:

OIL **0**GAS **0**WATER **0**

COMMENTS

011214 FR N0050 12-31-01:030506 FR N1990 11-01-02:030514 INT ADDL LAT;IRR SEC;SURF LOC CORRECTION FR
866 FNL 850 FWL;FR R649-3-11:030519 INT DEEPEN VERBAL TO BEGIN DIRTWORK ONLY:030521 INT DEEPEN APRV:

Create New Rec

Save

Cancel Change

To History

To Activity

Print Recd

Export Recd



CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

034

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

n/a

7. UNIT or CA AGREEMENT NAME:

n/a

8. WELL NAME and NUMBER:

Island Ranching D-1

9. API NUMBER:

4304330161

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

3. ADDRESS OF OPERATOR:

555 17th St., Ste. 2400 CITY Denver

STATE Co

ZIP 80202

PHONE NUMBER:

(303) 298-1000

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 915' FNL AND 877' FWL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE☐ ALTER CASING☐ CASING REPAIR☐ CHANGE TO PREVIOUS PLANS☐ CHANGE TUBING☐ CHANGE WELL NAME☐ CHANGE WELL STATUS☐ COMMINGLE PRODUCING FORMATIONS☐ CONVERT WELL TYPE☐ DEEPEN☐ FRACTURE TREAT☐ NEW CONSTRUCTION☐ OPERATOR CHANGE☒ PLUG AND ABANDON☐ PLUG BACK☐ PRODUCTION (START/RESUME)☐ RECLAMATION OF WELL SITE☐ RECOMPLETE - DIFFERENT FORMATION☐ REPERFORATE CURRENT FORMATION☐ SIDETRACK TO REPAIR WELL☐ TEMPORARILY ABANDON☐ TUBING REPAIR☐ VENT OR FLARE☐ WATER DISPOSAL☐ WATER SHUT-OFF☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Anschutz Exploration Corporation proposes to plug and abandon the well according to the attached P&A procedure and diagrams.

The well was sidetracked and tested several Weber and Phosphoria intervals (completion history attached). Each of these intervals was found to be non-productive.

COPY SENT TO OPERATOR

Date: 5-21-04

Initials: CHD

NAME (PLEASE PRINT) James Oursland

TITLE Operations Manager

SIGNATURE

DATE 5-18-04

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5/21/04

(See Instructions on Reverse Side)

* See Conditions of Approval (Attached)

(5/2000)

RECEIVED

MAY 20 2004

DIV. OF OIL, GAS & MINING

ISLAND RANCHING D1 ST
Completion Summary

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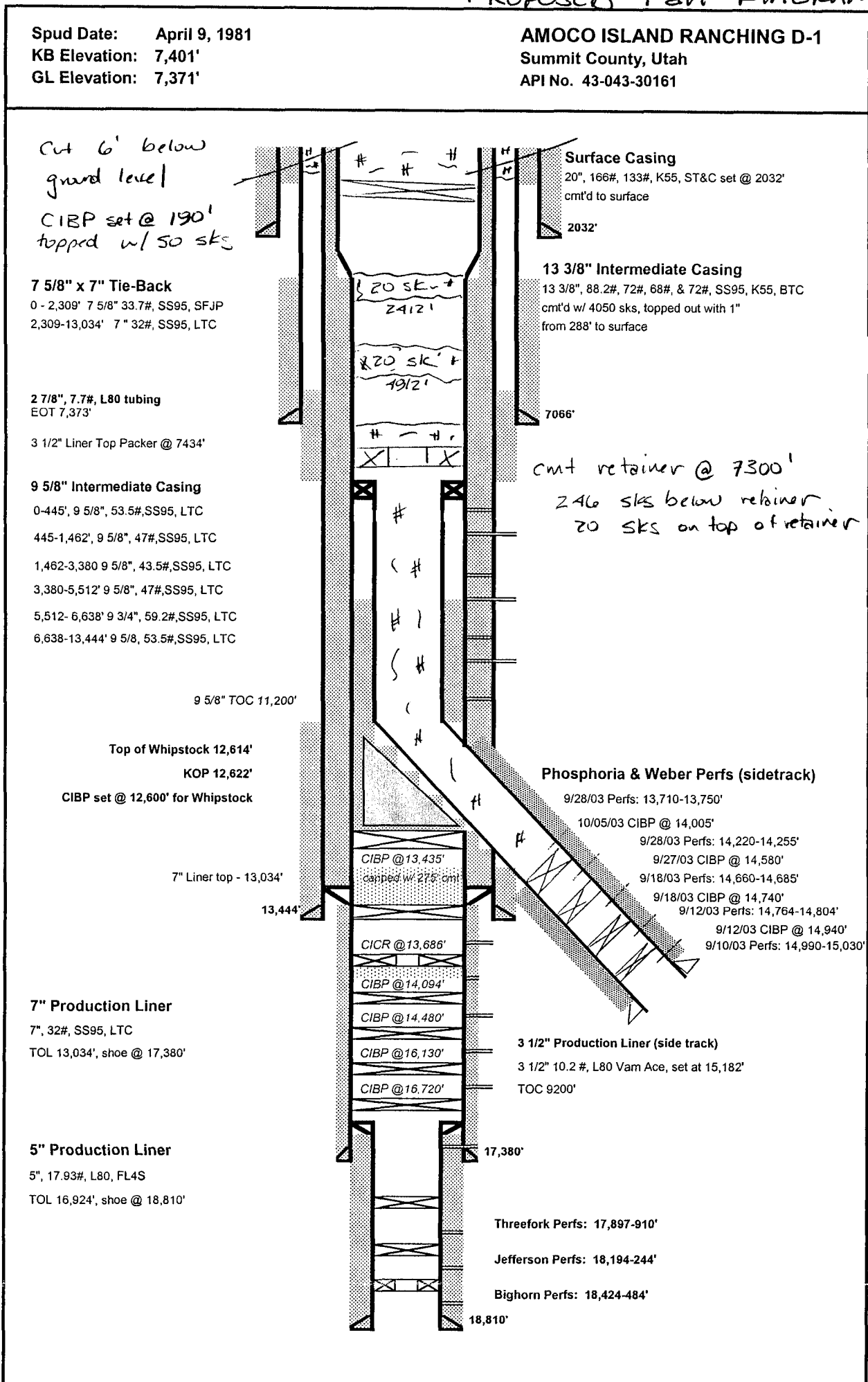
Date of Perforations	Perf Depths	Stimulation Date	Stimulation Description	Test Results
9/10/2003	14,990' - 15,030'	9/11/2003	2500 g 7.5% HCl w/ 30% N2	No flow, presumed wet
9/12/2003	Set CIBP at 14,940'			
9/12/2003	14,764' - 14,804'	9/13/2003	3500 g 7.5% HCl w/ 30% N2	Jetted w/ CT and N2 - wet
9/18/2003	Set CIBP at 14,740'			
9/18/2003	14,660' - 14,685'	9/13/2003	3500 g 7.5% HCl w/ 30% N2	no pressure build up
9/27/2003	Set CIBP at 14,580'			
9/28/2003	14,220' - 14,255'	9/29/2003	4100 g 15% HCl w/ N2	No flow, presumed wet
10/5/2003	Set CIBP at 14,005'			
10/5/2003	13710' - 13750'			No flow, presumed wet

CONFIDENTIAL

ISLAND RANCH D-1ST P&A Procedure

1. File proper sundry notices and notify proper authorities. Test anchors.
2. Install BPV.
3. RU Safety. MI Rig and support equipment.
4. NU BOPE and test.
5. Pull BPV.
6. Fill hole with 2% KCL water.
7. RU laydown machine. Have Vam PTS personnel on location to visually inspect tubing.
8. RU spooler unit to spool SS control lines. POOH laying down 2.875", 7.7#, L-80 production string. Install thread protectors on box and pin ends. Haul to Tuboscope yard in Evanston for inspection and storage. Send SSSV and methanol injection mandrel to Camco-Houston, Tx. Seal assembly to Weatherford in Vernal, Ut.
9. Maintain well control by pumping $\frac{1}{4}$ to $\frac{1}{2}$ BPM down annulus while POOH.
10. PU 4" seal assembly, 1 jt. 2.875" tbg. , 7" arrow-set packer w / oh-off tool on top. TIH. Space out and set packer @ 7400'. Release off on-off tool. POOH.
11. RU OWP. RIH and set 7" 26# cement retainer @ 7300'.
12. PU stinger. RIH on 2.875" work string to CICR.
13. Mix 500 bbls. 9.3# mud. Circulate 2% KCL out with 9.3# mud. (Hole volume 301 bbls.)
14. Sting into retainer. Test annulus to 1000#. Establish injection rate.
15. RU cementers. Test lines to 5000#. Pump 266 sx. Class 'G' cement plug. Pump 246 sx. Below retainer, sting out and spot remaining 20 sx. On top of retainer. LD 8 jts. Tbg. and reverse out.
16. POOH to 4912'. Pump 20 sx. Class 'G' cement plug. Pull 6 jts. Tbg. Reverse out.
17. POOH to 2412'. Pump 20 sx. class 'G' cement plug. Pull 6 jts. Tbg. Reverse out.
18. POOH LD remaining work string.
19. RU wireline. RIH w/ 7 5/8" CIBP. Set @ 190'. POOH. RD & release wireline.
20. RU cementers. Pump 50 sx. class 'G' cement + 1% CaCl surface plug. Run 1" tubing to 100' and circulate 9 5/8" x 7 5/8" annulus with cement. Check all other annulus. Top out if necessary.
21. RD and release rig and support equipment.
22. Dig out csg. heads and cut off 6' below ground level. Weld plate w/ weep hole on csg. stub. Weld following information on plate.
Anschutz Corp. ISLAND RANCH D-1ST Sec. 14 T4N-R7W Summit Co., Utah Date plugged.
25. Reclaim and reseed location. Notify proper authorities.

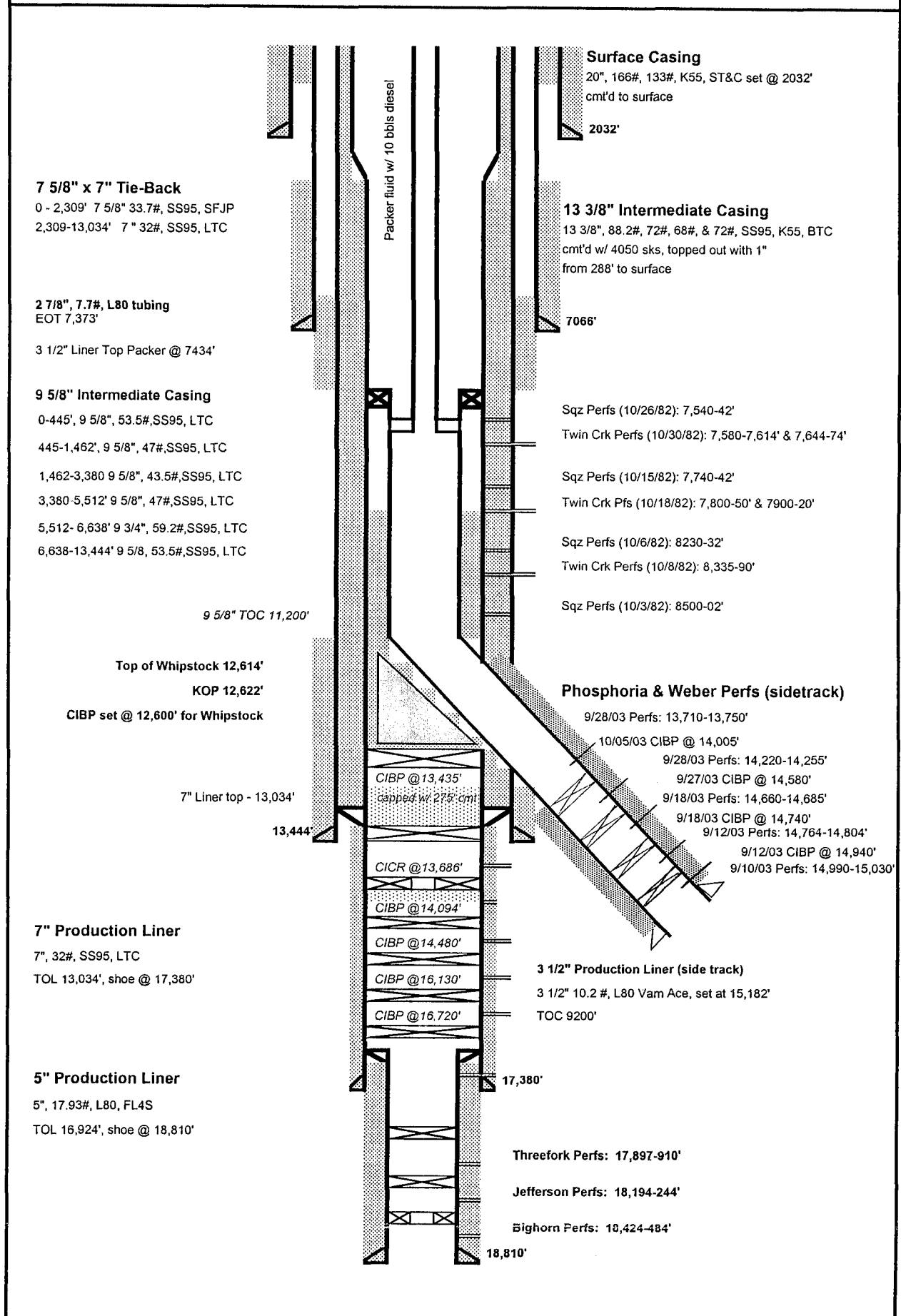
PROPOSED P&A DIAGRAM



CURRENT DIAGRAM

Spud Date: April 9, 1981
KB Elevation: 7,401'
GL Elevation: 7,371'

AMOCO ISLAND RANCHING D-1
Summit County, Utah
API No. 43-043-30161





State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number: Island Ranching D-1
API Number: 43-043-30161
Operator: Anschutz Exploration Corporation
Reference Document: Original Sundry Notice dated May 18, 2004,
received by DOGM on May 20, 2004

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. If sufficient injection rate through CICR set @ 7300' cannot be established, contact Dustin Doucet at the Division before proceeding (801.538.5281). A modification to the proposed plan will be necessary to adequately isolate the open perms in the Phosporia Fm @ 13710' and to also isolate the Nugget Fm @ 8565'.
3. CHANGE: Plug 2 (Step # 16 in procedure) shall be moved $\pm 688'$ downhole and balanced across the top of the Preuss Salt Fm from 5600' to 5400' (40 sx total instead of the proposed 20 sx).
4. All balanced plugs shall be tagged to ensure the plugs are at the depths specified.
5. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration. Evidence of compliance with this rule should be supplied to the Division upon completion of reclamation.
6. Form 8 – Well Completion or Recompletion Report and Log shall be submitted to the Division upon completion of work.
7. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
8. If there are any changes to the plugging procedure or wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet
Petroleum Engineer

May 21, 2004

Date

STATE OF UTAH
DIVISION OF OIL GAS AND MINING
PLUGGING OPERATIONS

Well Name: Island Ranching D-1 API Number: 43-043-30161

Qtr/Qtr: NWNW Section: 14 Township: 4N Range: 7E County: Summit

Company Name: Anschutz Exploration Corp. (N7940)

Lease: State _____ Fee X Federal _____ Indian _____

Inspector: Lisha Cordova

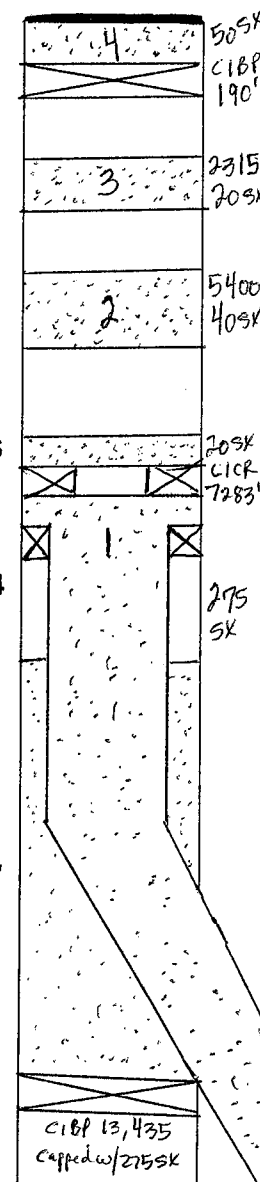
Date: May 27-28, 2004

Casing Tested: YES X NO _____ Results: OK

Cementing Company: BJ Services (Key Rig #383/Jim Hill (307)679-6902)

Draw a wellbore diagram as plugged:

COMMENTS: BOP test & 7" 26# CICR set @7283 (collar @7300') on 5/26/04 (not withn).
Withn (Plug 1-4) 5/27-5/28/04. Key Rig #383, BJ Services (cmt), at time of arrival on 5/27/04 RIH on 2.875 work string to CR @7283', RU cementers & tested lines @5000#, filled csg w/50 bbls wtr, stung into CR (231 jts/31-32' in length in hole), est inj rate @4 bpm, mixed cmt. (Plug 1) pumped (60.4 bbls) 275 sx Class G/Neat (15.8 wgt, 1.15 yld/blue book) cmt below retainer, stung out and spotted 20 sx on top, disp cmt w/38 bbls wtr, pulled out of retainer, pumped 4 bbls wtr, reversed out 38 bbls wtr, pumped 56 bbls 9.3# mud, disp mud w/32 bbls wtr. (Plug 2) pumped (8 bbls) 40 sx cmt (same as above), disp cmt w/32 bbls wtr, reverse clean w/35 bbls wtr. Shut down for day. 5/28/04 tagged (Plug 2) @5400' topped w/112 bbls mud 5400-2400', TOH, filled hole w/8 bbls wtr, mixed cmt. (Plug 3) pumped (4 bbls) 20 sx cmt (same as above) from 2412-2312', disp cmt w/13 bbls wtr, reversed out 17 bbls wtr, waited 3 hrs for cmt to set, no tag, RIH & reversed out cmt, pumped (4 bbls) 20 sx cmt w/50# CaCl, reversed out w/19 bbls mud, waited 2.5 hrs for cmt to set, tagged @2315', filled hole with mud from 2315-200', pulled pipe. (Plug 4) pumped (10 bbls) 50 sx cmt (same as above) from 200' to surface. Will rig down 6/1/04 & move to the 10-27 well location. Marker will be installed after contacting landowner, op not sure if owner wants it buried or above ground, will notify



DOGM. Inter-Mountain Safety/MS (Mike Buskirk) on location. Notified Merit (ARE) and Wahsatch Gas Gathering of arrival & departure from field, as a safety precaution. Final reclamation due 5/28/05.

Attach copy of cement ticket if available.

Island Ranching D1 Final Surveys Report

CONFIDENTIAL

Report Date: September 26, 2003	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: Anschutz Exploration Company	Vertical Section Azimuth: 165.480°
Field: UT, Summit County (NAD 27, Utah, NZ)	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: Anschutz 14-4N-7E (Island Ranching D1) / Island Ranching D1	TVD Reference Datum: RKB
Well: Island Ranching D1	TVD Reference Elevation: 7393.3 ft relative to MSL
Borehole: Sidetrack 1	Sea Bed / Ground Level Elevation: 7378.300 ft relative to MSL
UWI/API#:	Magnetic Declination: 12.947°
Survey Name / Date: Island Ranching D1 Final Surveys / June 22, 2003	Total Field Strength: 53454.560 nT
Tort / AHD / DDI / ERD ratio: 127.677° / 2434.50 ft / 5.508 / 0.166	Magnetic Dip: 66.667°
Grid Coordinate System: NAD27 Utah State Planes, Northern Zone, US Feet	Declination Date: June 22, 2003
Location Lat/Long: N 41 5 1.672, W 111 7 41.585	Magnetic Declination Model: BGGM 2003
Location Grid N/E Y/X: N 273634.459 ftUS, E 2102492.672 ftUS	North Reference: True North
Grid Convergence Angle: +0.24513651°	Total Corr Mag North -> True North: +12.947°
Grid Scale Factor: 0.99996107	Local Coordinates Referenced To: Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	273634.46	2102492.67	N 41 5 1.672	W 111 7 41.585
Begin Client Gyro Surveys	100.00	0.24	305.04	100.00	-0.16	0.12	-0.17	0.24	273634.58	2102492.50	N 41 5 1.673	W 111 7 41.587
	200.00	0.27	10.87	200.00	-0.53	0.47	-0.30	0.28	273634.93	2102492.37	N 41 5 1.677	W 111 7 41.589
	300.00	0.19	324.80	300.00	-0.90	0.84	-0.35	0.19	273635.30	2102492.32	N 41 5 1.680	W 111 7 41.589
	400.00	0.25	14.64	400.00	-1.25	1.19	-0.39	0.19	273635.64	2102492.28	N 41 5 1.684	W 111 7 41.590
	500.00	0.19	336.86	500.00	-1.60	1.55	-0.40	0.15	273636.01	2102492.27	N 41 5 1.687	W 111 7 41.590
	600.00	0.27	13.05	600.00	-1.97	1.93	-0.41	0.16	273636.39	2102492.25	N 41 5 1.691	W 111 7 41.590
	700.00	0.33	339.46	699.99	-2.47	2.43	-0.46	0.18	273636.89	2102492.20	N 41 5 1.696	W 111 7 41.591
	800.00	0.29	11.89	799.99	-2.98	2.95	-0.51	0.18	273637.40	2102492.15	N 41 5 1.701	W 111 7 41.591
	900.00	0.20	337.64	899.99	-3.38	3.36	-0.52	0.17	273637.81	2102492.13	N 41 5 1.705	W 111 7 41.592
	1000.00	0.21	350.75	999.99	-3.74	3.70	-0.62	0.05	273638.15	2102492.04	N 41 5 1.709	W 111 7 41.593
	1100.00	0.36	356.54	1099.99	-4.23	4.19	-0.67	0.15	273638.65	2102491.99	N 41 5 1.713	W 111 7 41.593
	1200.00	0.19	345.70	1199.99	-4.70	4.67	-0.73	0.18	273639.12	2102491.92	N 41 5 1.718	W 111 7 41.594
	1300.00	0.29	11.80	1299.99	-5.09	5.08	-0.72	0.15	273639.53	2102491.93	N 41 5 1.722	W 111 7 41.594
	1400.00	0.21	343.90	1399.99	-5.50	5.50	-0.72	0.14	273639.96	2102491.93	N 41 5 1.726	W 111 7 41.594
	1500.00	0.21	8.46	1499.99	-5.86	5.86	-0.74	0.09	273640.31	2102491.91	N 41 5 1.730	W 111 7 41.594
	1600.00	0.26	338.12	1599.99	-6.25	6.25	-0.80	0.13	273640.70	2102491.85	N 41 5 1.734	W 111 7 41.595
	1700.00	0.30	4.17	1699.99	-6.72	6.72	-0.86	0.13	273641.18	2102491.78	N 41 5 1.738	W 111 7 41.596
	1800.00	0.20	345.80	1799.98	-7.14	7.15	-0.89	0.13	273641.61	2102491.76	N 41 5 1.743	W 111 7 41.596
	1900.00	0.25	25.18	1899.98	-7.49	7.52	-0.84	0.16	273641.97	2102491.80	N 41 5 1.746	W 111 7 41.596
	2000.00	0.32	3.07	1999.98	-7.92	7.99	-0.73	0.13	273642.45	2102491.91	N 41 5 1.751	W 111 7 41.594
	2100.00	0.34	41.67	2099.98	-8.35	8.49	-0.52	0.22	273642.95	2102492.12	N 41 5 1.756	W 111 7 41.592
	2200.00	0.28	17.90	2199.98	-8.72	8.95	-0.24	0.14	273643.41	2102492.39	N 41 5 1.760	W 111 7 41.588
	2300.00	0.32	32.61	2299.98	-9.12	9.42	-0.02	0.09	273643.87	2102492.61	N 41 5 1.765	W 111 7 41.585
	2400.00	0.45	356.12	2399.98	-9.70	10.04	0.11	0.27	273644.50	2102492.73	N 41 5 1.771	W 111 7 41.583
	2500.00	0.38	15.46	2499.97	-10.37	10.75	0.17	0.16	273645.21	2102492.79	N 41 5 1.778	W 111 7 41.583
	2600.00	0.40	326.94	2599.97	-10.99	11.37	0.07	0.32	273645.83	2102492.69	N 41 5 1.784	W 111 7 41.584
	2700.00	0.48	348.69	2699.97	-11.74	12.07	-0.21	0.18	273646.53	2102492.41	N 41 5 1.791	W 111 7 41.587
	2800.00	0.41	307.94	2799.97	-12.44	12.70	-0.57	0.32	273647.16	2102492.05	N 41 5 1.797	W 111 7 41.592
	2900.00	0.33	322.32	2899.96	-12.99	13.15	-1.03	0.12	273647.60	2102491.59	N 41 5 1.802	W 111 7 41.598
	3000.00	0.43	274.75	2999.96	-13.38	13.41	-1.58	0.32	273647.86	2102491.04	N 41 5 1.804	W 111 7 41.605
	3100.00	0.31	278.65	3099.96	-13.61	13.48	-2.22	0.12	273647.93	2102490.39	N 41 5 1.805	W 111 7 41.614
	3200.00	0.38	263.52	3199.96	-13.76	13.48	-2.82	0.11	273647.93	2102489.80	N 41 5 1.805	W 111 7 41.622
	3300.00	0.46	302.23	3299.95	-14.10	13.66	-3.49	0.29	273648.10	2102489.13	N 41 5 1.807	W 111 7 41.630
	3400.00	0.34	287.40	3399.95	-14.55	13.96	-4.11	0.16	273648.40	2102488.50	N 41 5 1.810	W 111 7 41.638
	3500.00	0.42	295.83	3499.95	-14.94	14.21	-4.72	0.10	273648.65	2102487.89	N 41 5 1.812	W 111 7 41.646
	3600.00	0.33	303.50	3599.95	-15.39	14.53	-5.29	0.10	273648.96	2102487.32	N 41 5 1.816	W 111 7 41.654
	3700.00	0.55	324.56	3699.95	-16.05	15.08	-5.81	0.27	273649.51	2102486.80	N 41 5 1.821	W 111 7 41.661
	3800.00	0.45	316.24	3799.94	-16.85	15.75	-6.36	0.12	273650.18	2102486.24	N 41 5 1.828	W 111 7 41.668
	3900.00	0.58	351.40	3899.94	-17.69	16.54	-6.71	0.33	273650.97	2102485.89	N 41 5 1.835	W 111 7 41.672
	4000.00	0.66	343.39	3999.93	-18.77	17.59	-6.95	0.12	273652.02	2102485.65	N 41 5 1.846	W 111 7 41.676
	4100.00	0.63	347.05	4099.93	-19.90	18.68	-7.24	0.05	273653.10	2102485.36	N 41 5 1.857	W 111 7 41.679
	4200.00	0.66	349.68	4199.92	-21.02	19.78	-7.46	0.04	273654.21	2102485.12	N 41 5 1.867	W 111 7 41.682
	4300.00	0.67	355.18	4299.91	-22.17	20.93	-7.62	0.06	273655.35	2102484.97	N 41 5 1.879	W 111 7 41.684
	4400.00	0.77	358.45	4399.90	-23.40	22.18	-7.68	0.11	273656.61	2102484.89	N 41 5 1.891	W 111 7 41.685
	4500.00	0.85	0.80	4499.89	-24.77	23.60	-7.69	0.09	273658.02	2102484.88	N 41 5 1.905	W 111 7 41.685
	4600.00	0.77	7.55	4599.88	-26.11	25.00	-7.59	0.12	273659.43	2102484.97	N 41 5 1.919	W 111 7 41.684
	4700.00	0.25	306.22	4699.88	-26.90	25.80	-7.68	0.69	273660.22	2102484.88	N 41 5 1.927	W 111 7 41.685
	4800.00	0.54	242.00	4799.88	-26.96	25.71	-8.27	0.49	273660.13	2102484.29	N 41 5 1.926	W 111 7 41.693
	4900.00	0.76	238.63	4899.87	-26.66	25.14	-9.25	0.22	273659.56	2102483.31	N 41 5 1.920	W 111 7 41.706
	5000.00	1.19	243.12	4999.86	-26.24	24.33	-10.75	0.44	273658.74	2102481.82	N 41 5 1.912	W 111 7 41.725
	5100.00	1.22	235.24	5099.84	-25.65	23.25	-12.55	0.17	273657.65	2102480.03	N 41 5 1.902	W 111 7 41.749
	5200.00	1.08	221.92	5199.82	-24.76	21.94	-14.05	0.30	273656.34	2102478.53	N 41 5 1.889	W 111 7 41.768
	5300.00	2.16	187.19	5299.78	-22.49	19.37	-14.92	1.41	273653.76	2102477.67	N 41 5 1.863	W 111 7 41.780
	5400.00	3.45	171.86	5399.66	-17.75	14.52	-14.73	1.48	273648.92	2102477.88	N 41 5 1.815	W 111 7 41.777
	5500.00	4.24	163.14	5499.43	-11.07	8.01	-13.23	0.98	273642.41	2102479.41	N 41 5 1.751	W 111 7 41.758
	5600.00	4.41	159.62	5599.15	-3.55	0.86	-10.82	0.32	273635.28	2102481.85	N 41 5 1.681	W 111 7 41.726
	5700.00	4.16	161.08	5698.87	3.89	-6.17	-8.30	0.27	273628.25	2102484.40	N 41 5 1.611	W 111 7 41.693
	5800.00	4.20	162.41	5798.60	11.17	-13.09	-6.02	0.10	273621.34	2102486.71	N 41 5 1.543	W 111 7 41.663
	5900.00	4.57	163.24	5898.31	18.80	-20.40	-3.76	0.38	273614.05	2102489.00	N 41 5 1.470	W 111 7 41.634
	6000.00	5.18	166.55	5997.95	27.30	-28.60	-1.57	0.67	273605.85	2102491.23	N 41 5 1.389	W 111 7 41.605
	6100.00	5.22	167.90	6097.53	36.36	-37.44	0.44	0.13	273597.02	2102493.27	N 41 5 1.302	W 111 7 41.579
	6200.00	5.56	169.96	6197.09	45.73	-46.66	2.24	0.39	273587.81	2102495.11	N 41 5 1.211	W 111 7 41.556
	6300.00	6.08	172.44	6296.58	55.82	-56.68	3.78	0.58	273577.80	2102496.69	N 41 5 1.112	W 111 7 41.535
	6400.00	6.41	168.15	6395.98	66.65	-67.39	5.62	0.57	273567.09	2102498.58	N 41 5 1.006	W 111 7 41.511

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Norming (ftUS)	Easting (ftUS)	Latitude	Longitude
	6500.00	5.42	166.70	6495.45	76.95	-77.45	7.85	1.00	273557.04	2102500.86	N 41 5 0.907	W 111 7 41.482
	6600.00	4.72	158.25	6595.06	85.75	-85.87	10.46	1.02	273548.64	2102503.50	N 41 5 0.824	W 111 7 41.448
	6700.00	3.92	156.42	6694.77	93.21	-92.82	13.36	0.81	273541.70	2102506.42	N 41 5 0.755	W 111 7 41.410
	6800.00	3.75	147.73	6794.55	99.70	-98.72	16.47	0.60	273535.81	2102509.56	N 41 5 0.697	W 111 7 41.370
	6900.00	3.88	141.21	6894.33	105.90	-104.13	20.34	0.45	273530.43	2102513.45	N 41 5 0.643	W 111 7 41.319
	7000.00	3.64	135.07	6994.11	111.72	-109.01	24.70	0.47	273525.56	2102517.83	N 41 5 0.595	W 111 7 41.262
	7100.00	3.97	130.71	7093.89	117.30	-113.51	29.56	0.44	273521.08	2102522.72	N 41 5 0.550	W 111 7 41.199
	7200.00	4.78	130.09	7193.60	123.54	-118.46	35.37	0.81	273516.16	2102528.55	N 41 5 0.502	W 111 7 41.123
	7300.00	5.37	128.62	7293.21	130.68	-124.06	42.22	0.60	273510.59	2102535.42	N 41 5 0.446	W 111 7 41.033
	7400.00	6.08	128.65	7392.71	138.67	-130.29	50.01	0.71	273504.39	2102543.24	N 41 5 0.385	W 111 7 40.932
	7500.00	6.61	128.64	7492.10	147.51	-137.19	58.64	0.53	273497.53	2102551.90	N 41 5 0.316	W 111 7 40.819
	7600.00	7.19	128.12	7591.37	157.09	-144.65	68.06	0.58	273490.11	2102561.35	N 41 5 0.243	W 111 7 40.696
	7700.00	7.45	129.15	7690.56	167.29	-152.60	78.01	0.29	273482.20	2102571.33	N 41 5 0.164	W 111 7 40.566
	7800.00	7.64	128.31	7789.69	177.81	-160.82	88.25	0.22	273474.03	2102581.61	N 41 5 0.083	W 111 7 40.432
	7900.00	7.84	128.31	7888.78	188.54	-169.17	98.82	0.20	273465.72	2102592.21	N 41 5 0.001	W 111 7 40.294
	8000.00	8.22	128.42	7987.80	199.68	-177.84	109.78	0.38	273457.10	2102603.20	N 41 4 59.915	W 111 7 40.151
	8100.00	8.51	128.11	8086.74	211.26	-186.85	121.20	0.29	273448.14	2102614.66	N 41 4 59.826	W 111 7 40.002
	8200.00	8.54	128.21	8185.63	223.05	-196.00	132.85	0.03	273439.03	2102626.36	N 41 4 59.735	W 111 7 39.850
	8300.00	8.80	128.31	8284.49	235.06	-205.34	144.69	0.26	273429.75	2102638.23	N 41 4 59.643	W 111 7 39.695
	8400.00	8.84	127.90	8383.31	247.24	-214.80	156.76	0.07	273420.34	2102650.34	N 41 4 59.550	W 111 7 39.538
	8500.00	9.06	127.94	8482.09	259.57	-224.36	169.03	0.22	273410.83	2102662.65	N 41 4 59.455	W 111 7 39.378
	8600.00	8.99	129.93	8580.85	272.17	-234.22	181.23	0.32	273401.03	2102674.89	N 41 4 59.358	W 111 7 39.218
	8700.00	8.71	127.18	8679.66	284.47	-243.81	193.25	0.51	273391.49	2102686.96	N 41 4 59.263	W 111 7 39.061
	8800.00	8.58	126.21	8778.52	296.19	-252.79	205.30	0.20	273382.56	2102699.05	N 41 4 59.174	W 111 7 38.904
	8900.00	8.16	124.20	8877.46	307.30	-261.19	217.19	0.51	273374.21	2102710.97	N 41 4 59.091	W 111 7 38.749
	9000.00	7.89	123.22	8976.48	317.71	-268.94	228.80	0.30	273366.52	2102722.62	N 41 4 59.015	W 111 7 38.597
	9100.00	8.12	123.39	9075.51	328.03	-276.58	240.44	0.23	273358.92	2102734.29	N 41 4 58.939	W 111 7 38.445
	9200.00	8.31	122.11	9174.48	338.53	-284.31	252.46	0.26	273351.24	2102746.34	N 41 4 58.863	W 111 7 38.288
	9300.00	8.64	122.69	9273.39	349.29	-292.21	264.90	0.34	273343.40	2102758.81	N 41 4 58.785	W 111 7 38.126
	9400.00	8.58	122.56	9372.26	360.27	-300.28	277.51	0.06	273335.38	2102771.45	N 41 4 58.705	W 111 7 37.961
	9500.00	8.58	121.62	9471.14	371.11	-308.21	290.15	0.14	273327.51	2102784.13	N 41 4 58.627	W 111 7 37.796
	9600.00	8.75	121.23	9570.00	381.93	-316.06	303.01	0.18	273319.71	2102797.02	N 41 4 58.549	W 111 7 37.628
	9700.00	8.95	120.45	9668.81	392.88	-323.95	316.22	0.23	273311.88	2102810.26	N 41 4 58.471	W 111 7 37.456
	9800.00	8.95	121.23	9767.59	403.95	-331.92	329.57	0.12	273303.96	2102823.65	N 41 4 58.392	W 111 7 37.281
	9900.00	9.33	119.32	9866.32	415.14	-339.92	343.29	0.49	273296.02	2102837.40	N 41 4 58.313	W 111 7 37.102
	10000.00	9.82	117.80	9964.93	426.49	-347.87	357.90	0.55	273288.14	2102852.05	N 41 4 58.235	W 111 7 36.911
	10100.00	9.80	117.03	10063.47	437.88	-355.71	373.03	0.13	273280.36	2102867.20	N 41 4 58.157	W 111 7 36.714
	10200.00	10.25	115.61	10161.94	449.26	-363.43	388.63	0.51	273272.71	2102882.84	N 41 4 58.081	W 111 7 36.510
	10300.00	10.43	114.91	10260.32	460.74	-371.09	404.87	0.22	273265.12	2102899.11	N 41 4 58.005	W 111 7 36.298
	10400.00	11.07	114.45	10358.56	472.53	-378.87	421.82	0.65	273257.41	2102916.09	N 41 4 57.928	W 111 7 36.077
	10500.00	10.77	114.87	10456.75	484.50	-386.78	439.03	0.31	273249.58	2102933.34	N 41 4 57.850	W 111 7 35.852
	10600.00	9.42	117.33	10555.20	495.88	-394.46	454.78	1.42	273241.96	2102949.12	N 41 4 57.774	W 111 7 35.646
	10700.00	8.03	118.12	10654.04	506.08	-401.51	468.21	1.40	273234.97	2102962.58	N 41 4 57.705	W 111 7 35.471
	10800.00	8.20	117.47	10753.04	515.58	-408.09	480.70	0.19	273228.44	2102975.09	N 41 4 57.640	W 111 7 35.308
	10900.00	8.98	116.73	10851.92	525.50	-414.89	494.00	0.79	273221.70	2102988.42	N 41 4 57.573	W 111 7 35.134
	11000.00	9.44	117.57	10950.63	536.14	-422.20	508.24	0.48	273214.45	2103002.69	N 41 4 57.500	W 111 7 34.948
	11100.00	9.73	117.78	11049.23	547.32	-429.93	522.98	0.29	273206.78	2103017.47	N 41 4 57.424	W 111 7 34.756
	11200.00	10.18	117.93	11147.72	558.97	-438.01	538.27	0.45	273198.77	2103032.78	N 41 4 57.344	W 111 7 34.556
	11300.00	10.79	119.59	11246.05	571.45	-446.77	554.21	0.68	273190.08	2103048.77	N 41 4 57.258	W 111 7 34.348
	11400.00	11.82	117.49	11344.11	584.82	-456.12	571.44	1.11	273180.80	2103066.03	N 41 4 57.165	W 111 7 34.123
	11500.00	11.92	119.11	11441.98	598.80	-465.87	589.55	0.35	273171.13	2103084.18	N 41 4 57.069	W 111 7 33.887
	11600.00	11.50	120.00	11539.89	612.92	-475.88	607.20	0.46	273161.20	2103101.88	N 41 4 56.970	W 111 7 33.656
	11700.00	10.17	121.00	11638.11	626.21	-485.41	623.40	1.34	273151.74	2103118.12	N 41 4 56.876	W 111 7 33.444
	11800.00	9.31	118.87	11736.67	638.07	-493.87	638.06	0.93	273143.35	2103132.81	N 41 4 56.792	W 111 7 33.253
	11900.00	9.16	120.03	11835.37	649.21	-501.76	652.03	0.24	273135.52	2103146.82	N 41 4 56.714	W 111 7 33.071
	12000.00	9.20	118.35	11934.09	660.23	-509.54	665.96	0.27	273127.80	2103160.78	N 41 4 56.637	W 111 7 32.889
	12100.00	9.05	117.77	12032.82	670.96	-517.00	679.95	0.18	273120.40	2103174.80	N 41 4 56.564	W 111 7 32.706
	12200.00	8.17	119.75	12131.70	681.21	-524.19	693.08	0.93	273113.26	2103187.96	N 41 4 56.493	W 111 7 32.535
	12300.00	7.94	120.02	12230.71	691.02	-531.17	705.23	0.23	273106.33	2103200.14	N 41 4 56.424	W 111 7 32.376
	12400.00	8.08	120.56	12329.73	700.84	-538.20	717.26	0.16	273099.36	2103212.20	N 41 4 56.354	W 111 7 32.219
Last Client Gyro Survey Begin SLB MWD Surveys	12500.00	8.73	119.50	12428.66	711.09	-545.51	729.92	0.67	273092.10	2103224.89	N 41 4 56.282	W 111 7 32.054
	12600.00	8.71	117.85	12527.50	721.46	-552.78	743.22	0.25	273084.89	2103238.22	N 41 4 56.210	W 111 7 31.880
	12640.00	11.71	116.77	12566.87	726.18	-556.03	749.52	7.51	273081.67	2103244.53	N 41 4 56.178	W 111 7 31.798
	12674.00	14.35	128.92	12599.99	731.85	-560.23	755.88	11.15	273077.49	2103250.91	N 41 4 56.136	W 111 7 31.715
	12706.00	17.82	139.05	12630.74	739.42	-566.42	762.18	13.91	273071.33	2103257.24	N 41 4 56.075	W 111 7 31.632
	12744.00	20.70	144.81	12666.62	750.91	-576.30	769.86	9.07	273061.48	2103264.96	N 41 4 55.978	W 111 7 31.532
	12783.51	22.10	149.22	12703.40	764.58	-588.40	777.69	5.40	273049.42	2103272.84	N 41 4 55.858	W 111 7 31.430
	12813.49	21.47	147.18	12731.24	775.21	-597.85	783.55	3.29	273039.99	2103278.74	N 41 4 55.765	W 111 7 31.353
	12848.27	21.65	148.14	12763.59	787.38	-608.65	790.39	1.14	273029.22	2103285.62	N 41 4 55.658	W 111 7 31.264
	12868.74	21.86	148.91	12782.60	794.63	-615.12	794.35	1.73	273022.77	2103289.61	N 41 4 55.594	W 111 7 31.212
	12898.74	22.07	150.56	12810.42	805.43	-624.81	800.00	2.17	273013.10	2103295.31	N 41 4 55.498	W 111 7 31.139
	12930.62	22.84	152.34	12839.89	817.24	-635.51	805.82	3.22	273002.43	2103301.17	N 41 4 55.393	W 111 7 31.063
	12960.24	23.56	157.15	12867.11	828.70	-646.06	810.79	6.84	272991.90	2103306.18	N 41 4 55.288	W 111 7 30.998
	12991.22	24.12	158.74	12895.45	841.11	-657.66	815.49	2.75	272980.32	2103310.93	N 41 4 55.174	W 111 7 30.936
	13022.60	24.18	162.16	12924.09	853.90	-669.76	819.78	4.46	272968.24	2103315.28	N 41 4 55.054	W 111 7 30.880
	13054.60	24.13	165.74	12953.29	866.98	-682.33	8					

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Norming (ftUS)	Easting (ftUS)	Latitude	Longitude
	13211.84	24.51	176.14	13096.99	930.47	-745.14	834.10	2.61	272892.92	2103329.92	N 41 4 54.309	W 111 7 30.693
	13242.13	24.96	178.18	13124.50	942.88	-757.80	834.72	3.19	272880.27	2103330.60	N 41 4 54.184	W 111 7 30.685
	13273.08	25.19	179.23	13152.54	955.64	-770.91	835.02	1.62	272867.16	2103330.95	N 41 4 54.055	W 111 7 30.681
	13304.21	25.32	179.86	13180.69	968.53	-784.19	835.12	0.96	272853.88	2103331.11	N 41 4 53.924	W 111 7 30.680
	13335.31	24.96	179.96	13208.85	981.32	-797.41	835.15	1.17	272840.67	2103331.19	N 41 4 53.793	W 111 7 30.680
	13366.72	25.29	181.65	13237.28	994.18	-810.74	834.96	2.51	272827.33	2103331.06	N 41 4 53.661	W 111 7 30.682
	13397.57	25.46	183.57	13265.16	1006.82	-823.94	834.35	2.72	272814.13	2103330.51	N 41 4 53.531	W 111 7 30.690
	13429.08	25.51	184.73	13293.60	1019.66	-837.47	833.37	1.59	272800.60	2103329.59	N 41 4 53.397	W 111 7 30.703
	13459.26	25.47	187.01	13320.85	1031.83	-850.38	832.04	3.25	272787.68	2103328.31	N 41 4 53.270	W 111 7 30.720
	13491.61	25.97	186.42	13349.99	1044.92	-864.33	830.40	1.74	272773.73	2103326.73	N 41 4 53.132	W 111 7 30.742
	13522.77	26.94	186.81	13377.89	1057.86	-878.12	828.80	3.16	272759.93	2103325.19	N 41 4 52.996	W 111 7 30.763
	13554.47	28.46	188.42	13405.95	1071.51	-892.72	826.85	5.34	272745.32	2103323.30	N 41 4 52.851	W 111 7 30.788
	13585.10	29.86	189.71	13432.70	1085.19	-907.46	824.49	5.01	272730.58	2103321.00	N 41 4 52.706	W 111 7 30.819
	13616.26	31.03	189.72	13459.56	1099.58	-923.02	821.83	3.75	272715.00	2103318.41	N 41 4 52.552	W 111 7 30.854
	13647.61	32.25	189.79	13486.25	1114.57	-939.23	819.04	3.89	272698.78	2103315.69	N 41 4 52.392	W 111 7 30.890
	13678.58	33.60	189.59	13512.25	1129.93	-955.82	816.21	4.37	272682.18	2103312.93	N 41 4 52.228	W 111 7 30.927
	13709.90	34.75	190.37	13538.16	1145.94	-973.14	813.16	3.93	272664.84	2103309.95	N 41 4 52.057	W 111 7 30.967
	13742.06	35.65	190.29	13564.44	1162.76	-991.38	809.83	2.80	272646.59	2103306.71	N 41 4 51.876	W 111 7 31.010
	13773.34	36.27	189.85	13589.77	1179.46	-1009.47	806.62	2.15	272628.49	2103303.57	N 41 4 51.698	W 111 7 31.052
	13804.31	37.03	190.36	13614.61	1196.26	-1027.67	803.38	2.64	272610.28	2103300.41	N 41 4 51.518	W 111 7 31.095
	13836.10	38.09	189.60	13639.81	1213.90	-1046.75	800.02	3.64	272591.18	2103297.13	N 41 4 51.329	W 111 7 31.138
	13864.77	39.11	188.85	13662.21	1230.27	-1064.41	797.15	3.91	272573.52	2103294.34	N 41 4 51.155	W 111 7 31.176
	13896.12	40.33	188.06	13686.32	1248.72	-1084.22	794.21	4.21	272553.69	2103291.48	N 41 4 50.959	W 111 7 31.214
	13925.77	41.78	186.79	13708.68	1266.78	-1103.53	791.70	5.64	272534.37	2103289.05	N 41 4 50.768	W 111 7 31.247
	13956.41	41.95	184.57	13731.50	1285.97	-1123.88	789.68	4.87	272514.02	2103287.12	N 41 4 50.567	W 111 7 31.274
	13987.85	42.00	183.79	13754.88	1305.88	-1144.85	788.14	1.67	272493.04	2103285.67	N 41 4 50.360	W 111 7 31.294
	14019.15	41.83	184.89	13778.17	1325.67	-1165.70	786.56	2.41	272472.19	2103284.18	N 41 4 50.154	W 111 7 31.314
	14051.15	41.87	187.24	13802.01	1345.65	-1186.92	784.30	4.90	272450.95	2103282.02	N 41 4 49.944	W 111 7 31.344
	14079.30	42.41	189.25	13822.88	1363.07	-1205.61	781.59	5.16	272432.25	2103279.39	N 41 4 49.760	W 111 7 31.379
	14110.43	42.69	189.44	13845.81	1382.32	-1226.39	778.18	0.99	272411.46	2103276.06	N 41 4 49.554	W 111 7 31.424
	14142.62	42.76	188.97	13869.46	1402.31	-1247.94	774.68	1.01	272389.89	2103272.66	N 41 4 49.341	W 111 7 31.469
	14173.28	42.90	188.51	13891.95	1421.46	-1268.55	771.52	1.12	272369.28	2103269.58	N 41 4 49.138	W 111 7 31.511
	14206.12	42.98	188.79	13915.99	1442.03	-1290.66	768.15	0.63	272347.15	2103266.31	N 41 4 48.919	W 111 7 31.555
	14237.72	43.30	189.69	13939.05	1461.80	-1311.99	764.68	2.20	272325.81	2103262.93	N 41 4 48.709	W 111 7 31.600
	14268.13	43.35	190.04	13961.17	1480.81	-1332.55	761.11	0.81	272305.24	2103259.44	N 41 4 48.506	W 111 7 31.647
	14299.14	43.05	190.14	13983.77	1500.11	-1353.45	757.39	0.99	272284.32	2103255.81	N 41 4 48.299	W 111 7 31.695
	14330.05	42.30	190.54	14006.50	1519.12	-1374.06	753.63	2.58	272263.69	2103252.14	N 41 4 48.095	W 111 7 31.744
	14361.06	41.30	190.02	14029.62	1537.88	-1394.39	749.94	3.41	272243.34	2103248.54	N 41 4 47.894	W 111 7 31.793
	14392.00	40.60	188.94	14052.98	1556.40	-1414.39	746.60	3.22	272223.33	2103245.28	N 41 4 47.697	W 111 7 31.836
	14423.44	40.21	188.68	14076.93	1575.12	-1434.53	743.48	1.35	272203.18	2103242.25	N 41 4 47.498	W 111 7 31.877
	14454.16	39.82	187.80	14100.45	1593.33	-1454.08	740.64	2.24	272183.62	2103239.50	N 41 4 47.305	W 111 7 31.914
	14485.51	39.98	189.17	14124.50	1611.84	-1473.97	737.68	2.85	272163.72	2103236.62	N 41 4 47.108	W 111 7 31.953
	14517.95	40.44	190.72	14149.28	1630.90	-1494.60	734.06	3.39	272143.08	2103233.09	N 41 4 46.904	W 111 7 32.000
	14549.65	41.52	191.83	14173.21	1649.62	-1514.98	729.99	4.11	272122.68	2103229.11	N 41 4 46.703	W 111 7 32.053
	14579.96	42.03	191.69	14195.81	1667.72	-1534.75	725.88	1.71	272102.89	2103225.08	N 41 4 46.508	W 111 7 32.107
	14612.29	42.50	192.77	14219.74	1687.14	-1556.00	721.27	2.68	272081.62	2103220.56	N 41 4 46.298	W 111 7 32.167
	14642.96	42.38	193.72	14242.37	1705.45	-1576.15	716.53	2.13	272061.46	2103215.91	N 41 4 46.099	W 111 7 32.229
	14674.72	42.08	193.24	14265.89	1724.30	-1596.90	711.55	1.39	272040.68	2103211.02	N 41 4 45.893	W 111 7 32.294
	14705.82	41.68	192.47	14289.05	1742.73	-1617.14	706.93	2.09	272020.42	2103206.49	N 41 4 45.694	W 111 7 32.354
	14736.20	41.07	192.31	14311.84	1760.64	-1636.76	702.62	2.04	272000.79	2103202.26	N 41 4 45.500	W 111 7 32.410
	14768.55	40.58	192.57	14336.32	1779.49	-1657.41	698.07	1.60	271980.12	2103197.80	N 41 4 45.296	W 111 7 32.470
	14799.72	40.00	192.19	14360.10	1797.47	-1677.10	693.75	2.02	271960.41	2103193.56	N 41 4 45.101	W 111 7 32.526
	14830.42	40.23	192.29	14383.58	1815.13	-1696.43	689.55	0.78	271941.07	2103189.45	N 41 4 44.910	W 111 7 32.581
	14863.22	39.90	190.64	14408.68	1834.10	-1717.12	685.36	3.39	271920.36	2103185.34	N 41 4 44.706	W 111 7 32.636
	14892.83	39.75	189.04	14431.42	1851.38	-1735.80	682.11	3.50	271901.66	2103182.18	N 41 4 44.521	W 111 7 32.678
	14923.74	39.68	187.89	14455.20	1869.56	-1755.33	679.21	2.39	271882.12	2103179.36	N 41 4 44.328	W 111 7 32.716
	14954.23	40.05	189.44	14478.60	1887.52	-1774.65	676.26	3.48	271862.79	2103176.49	N 41 4 44.137	W 111 7 32.755
	14986.67	40.03	190.74	14503.44	1906.50	-1795.20	672.61	2.58	271842.23	2103172.92	N 41 4 43.934	W 111 7 32.802
	15019.46	40.08	190.74	14528.54	1925.58	-1815.93	668.67	0.15	271821.48	2103169.08	N 41 4 43.729	W 111 7 32.854
	15049.23	40.08	190.32	14551.31	1942.94	-1834.78	665.17	0.91	271802.62	2103165.66	N 41 4 43.543	W 111 7 32.900
	15080.67	40.30	191.49	14575.33	1961.27	-1854.70	661.33	2.50	271782.68	2103161.91	N 41 4 43.346	W 111 7 32.950
Last SLB MWD Survey	15123.52	39.73	191.12	14608.15	1986.07	-1881.71	655.93	1.44	271755.65	2103156.62	N 41 4 43.079	W 111 7 33.020
Projection to TD	15184.50	38.92	190.59	14655.32	2020.98	-1919.67	648.65	1.44	271717.66	2103149.50	N 41 4 42.704	W 111 7 33.115

Survey Type: Raw Survey

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (ft)

0.00

12600.00

15123.52

MD To (ft)

12600.00

15123.52

15184.50

EOU Freq

Act-Stns SLB_CNSG+CASING

Act-Stns SLB_MWD-STD

Act-Stns SLB_INC+TREND

Survey Tool Type

CONFIDENTIAL

ISLAND RANCHING D1 ST
Completion Summary

Date of Perforations	Perf Depths	Stimulation Date	Stimulation Description	Test Results
9/10/2003	14,990' - 15,030'	9/11/2003	2500 g 7.5% HCl w/ 30% N2	No flow, presumed wet
9/12/2003	Set CIBP at 14,940'			
9/12/2003	14,764' - 14,804'	9/13/2003	3500 g 7.5% HCl w/ 30% N2	Jetted w/ CT and N2 - wet
9/18/2003	Set CIBP at 14,740'			
9/18/2003	14,660' - 14,685'	9/13/2003	3500 g 7.5% HCl w/ 30% N2	no pressure build up
9/27/2003	Set CIBP at 14,580'			
9/28/2003	14,220' - 14,255'	9/29/2003	4100 g 15% HCl w/ N2	No flow, presumed wet
10/5/2003	Set CIBP at 14,005'			
10/5/2003	13710' - 13750'			No flow, presumed wet

FORMATION TOPS (ft)

K.B. =7404'

G.L. =7371'

FORMATION	PROGNOSIS			SAMPLES			LOGS		
	MD	TVD	SS	MD	TVD	SS	MD	TVD	SS
Woodside	12444	12357	-4956						
Dinwoody	13296	13197	-5796	13326	13200	-5796	13325	13199	-5795
Phosphoria	13565	13443	-6042	13599	13445	-6041	13598	13444	-6040
Weber	14257	14101	-6700	14744	14318	-6914	14740	14315	-6911

Island Ranching D-1 ST
Operator: AEC
Section 14, T4N, R7W
Summit County, Utah
Anschutz Ranch Deep Field

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- 05/20/03 Day 1. PO: Building location. Started building location with Searles Construction. 1/2 of location to grade. Rathole drilling on location at 1000 hours 5-21-03.
- 05/21/03 Day 2. PO: Finish location. Building location, spread gravel and level, dug rathole and water well conductor, hauled in 8 loads of gravel from Lindley to fix lease road, will finish location 5/22/03.
- 05/22/03 Day 3. PO: Finish location. Finished location at 1500 hours, will start MI equipment tomorrow a.m.
- 05/23/03 Day 4. MIRU Unit 166. MIRU Unit 166, open well, pressure test to 10,000 psi, test ok, installed BPV and released tree, MIRU 10% of rig, SDFN.
- 05/24/03 Day 5. MIRU Unit 166.
- 05/26/03 Day 6. MIRU Unit 166. Putting sub together, install A-Legs, 30% rigged up at 1800 hours 5/25/03.
- 05/26/03 Day 7. MIRU Unit 166. Rigged up derrick, 40% rigged up.
- 05/27/03 Day 8. RURT. Installing bridle lines, lights in derrick, stringing block, set hopper house and mud check house, started all 3 motors, 45% RU at 1800 hours 5-27-03. should raise derrick tomorrow PM.
- 05/28/03 Day 9. PO: RURT. Conducted JSA, string blocks, RU pits, run all motors, installed board and raised derrick at 1700 hours, 50% Rigged up at 1800 hrs 5-28-03.
- 05/29/03 Day 10. PO: RURT. Raised drawworks and RURT, 60% rigged up at 1800 hours 5/29/03.
- 05/30/03 Day 11. PO: RURT. RU Floor and blocks, hauling water, 60% rigged up at 1800 hours 5-30-03. MIRU Armstrong Water Well Rig. Will start drill water well Monday, 6/2/03.
- 05/31/03 Day 12. PO: RURT. Set solids equipment, received 491 jts 3-1/2" drill pipe and 33 jts 3-1/2" HWDP, 70% RU at 1830 hrs 5/31/03.
- 06/01/03 Day 13. PO: RURT. RI Unit 166, will mix mud and fluid pack the wellbore and start NU BOPE, will break on Tuesday with full crews, pressure test BOPE.
- 06/02/03 Day 14. PO: NU BOP. RURT, mixed up mud and circulated pits, dressed out BOPE and stacked, check pre-charge on bottles, removed CIW BPV and RU hardline to fluid pack wellbore, redress standpipe valve, rolled hole with 300 bbl mud and circ out comp fluid, 80% RU at 1800 hrs 6/2/03, NU BOP in AM and break tour AM.
- 06/03/03 Day 1. PO: NU Flowline to POOH. Started rig on dayrate at 0700 hours 6/3/03, ND CIW tree and NU BOP. Notified State of Utah 6/2/03 and 6/3/03 on pressure test of BOP. DCV leaked and CIW reset DCV. Pulled DCV out (scale) set another and same results. Pulled #2 DCV and inspected, screw in 3-1/2" Vam and pressure communication through to the 2-7/8" X 7-5/8" annulus, installed drilling nipple and welded on flowline, WO casing crew.

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- 06/04/03 Day 2. PO: RU to test BOPs. Finished welding on flow line, RU LD machine, POOH w/ tubing, remove hanger, change bails, POOH, lay down 234 jts 2-78" tubing, RD tongs and LD machine.
- 06/06/03 Day 3. PU BHA. Test BOP 250/1000 psi for 10 min., annular internal seals leaking, called for mechanic & parts from Casper, PU, make up kelly and test same, RD drilling nipple and rotating head, repair annular, internal energizer seal replaced, test ok, installed drilling nipple and RU to PU 3-1/2" drill pipe, RU LD machine and PU BHA.
- 06/07/03 Day 4. 7523' (12') PO: Drilling out CICR/Cmt. PU & MU BHA and RIH, RIH w/ 3-1/2" DP (Drifting), RIH to 7369', RD LD machine and PU kelly and break circulation, calibrated Pason System, RIH and tagged at 7511', circ and cond mud, RIH, tagged CICR #1 at 7511', tried several techniques, after 5 hours finally drilled up, drilled cement from 7517' to 7523', pumping 50 bbl sweeps while drilling.
- 06/08/03 Day 5. 7734' (211'). PO: Drilling cement & CICR. Drilled cement to 7543' and circ wellbore clean, test sqz perfs at 7540' to 7542' to 500 psi with 8.8 ppg mud, tested okay, tested annular, tested okay, drill cement from 7543' to 7600', mud became contaminated, circ and cond mud, added thinner, drill cement to 7700', test casing to 600/4343 psi at 7700' MD, tested okay, RIH and tagged CICR #2 at 7719' MD, drilling CICR, drilling cement at 7734', hauled 500 bbl contaminated drilling mud to Brown Pit.
- 06/09/03 Day 6. 8138' (404'). PO: Test casing. Drilling cement, mud improved after drilling out CICR @ 7710', hauled 400 bbl contaminated mud to Brown Pit, drilled hard cement to 7950', wash and ream 7950' to 8138', mud is contaminated from completion fluid.
- 06/10/03 Day 7. 8385' (247') PO: Drilling cement. W&R to 8170', pressure tested casing using 8.6 ppg mud and 720 psi at surface to 4373 psi, mud is contaminated, circ and cond mud, RIH and tagged CICR #3 at 8189.68' (20' low to drawing), milling CICR #3, drilled to 8232', drill cement at 8385' at 0600 hours.
- 06/11/03 Day 8. 8482' (97') PO: Milling up CICR #4. RIH to 8469' and tagged cement on top of CICR #4, drill up CICR #4 slow, unable to drill up with present mill, spot pill and POOH with Mill #1, mill 75% worn and 1/4" out of gauge, PU Mill #2, RIH and tagged cement at 8343', LD 1 std and PU kelly, rig service, W&R to top of CICR at 8482', milling on CICR #4.
- 06/12/03 Day 9. 13,260' (4778'). PO: RIH open ended DP. Milling on CICR at 8481', milled up and drilled cement to 8512', broke through and pull up hole, check flow (okay), RIH w/ DP, PU and RIH w/ 3-1/2" DP, tagged at 13,269' with 423 jts of DP in hole. Circulated out 200 bbl of contaminated completion fluid, mix & pump pill and POOH. Stand DC in derrick and RIH w/ DP open ended to plug back.
- 06/13/03 Day 10. 12,900' PO: POOH with casing scraper. RIH 13,258' open ended drill pipe to plug back. circ well, RU BJ and test pump and lines to 4000 psi. pumped 10 bbl mud clean 10 bbl water, followed by 3.7 bbl cement, displaced with 10 bbl water, 79 bbl mud, SD and RD BJ Service, pulled 186', circulated well clean. POOH w/ DP, PU 7# casing scraper and 5.875# Mill #2, RIH to 12900', RU to POOH.
- 06/14/03 Day 11. PO: POOH, logging at 10800'. POOH with casing scraper, LD BHA, RU Eline, run junk basket, gauge ring, ran CBL from 13,000' to 7,000' with CAST Casing Imaging Tool, POOH logging with imaging tool at 10,800' at 20 fpm.
- 06/15/03 Day 12. 12,620'. PO: RIH w/ Mills at 5573'. POOH logging with Halliburton's Casing Imaging Tool (CAST), ran Gyro survey from surface to 13,000', RIH and tied in at 12,600', made +10 ft. correction, set top of IBP at 12,620', POOH and RD Halliburton Eline, PU BHA and RIH at 5573'.

- 06/16/03 Day 13. 12,620'. PO: Orientation of whipstock. RIH w/ WFT Mills to drift casing prior to running whipstock. tagged WS at 12,628', mix pill and POOH to PU whipstock, LD string and window mill, RIH with whipstock to 12,620', RU Gyro data to orient whipstock, RU Eline and RIH, lost communication with survey tool, POOH and checked too, RIH with Gyro Tool at 0600 hours.
- 06/17/03 Day 14. 12,615'. PO: RIH w/ Window BHA. RIH w/ 1.875 Gyro Tool with 3 bow springs and tagged at 8486' top of HWDP, pulled free at 2000 psi, POOH with Eline, reheaded tool string, loosen bow springs, RIH and tagged sub at 12,556', Set whipstock at 12,603', POOH, RD Gyro Data, LD 2 jts DP, PU Kelly and break circulation, RIH and tag whipstock at 12,614.16', milled from 12,614.16' SLM to 12,615.25' SLM, circ & pumped pill, POOH, LD 24 jts DP out of derrick, POOH w/ DP, LD starter mill, PU Window mill.
- 06/18/03 Day 15. 12,621' (6'). PO: RIH w/Mill #2. MU window mill, BHA – RIH. Tagged whipstock @ 12,614 SLM. Break circulation & mill window. Milled f/12,615' – 12,621'. Reached core pt on 7" & 9 5/8" csg. Milled core out. Pumped HV sweep & cir hole clean. Mixed & pumped pill. TOOH to change window mill. Change out mill & RIH @ 5,000'.
- 06/19/03 Day 16. 12,621' (0'). PO: Mill Window. RIH w/mill #2. W/R 12,602' to 12,615'. Mill window f/12,615' to 12,621', started drlg formation. PU, wash & ream several times. Window clean. Pump pill. TOH f/string mill to dress window. LD window mill(1 blade sheared, but intact) PU string mill, TIH PU Kelly, break circl & wash & ream to top of whipstock. 12,614 (SLM)
- 06/20/03 Day 17. 12,621' (0'). PO: RIH w/mill. RIH will mill to ensure window full gauge and clean.
- 06/21/03 Day 18. 12,600' (0'). PO: Circ. & cond. mud. POOH w/ BHA, LD 2 4-3/4" DC and pulled mills out of hole, PU new string and window mill, tagged without circ at 12,626', pull up hole and broke circ. and wash and ream to 12,632, pumped pill and POOH, PU BHA and RIH, MU kelly, worked DP and gained circulation, circ and work DP.
- 06/22/03 Day 19. 12,601' (19') PO: RU GyroData. Circ. and cond mud before washing to bottom with junk basket, dropped 7/8" ball, landed on seat pressure dropped, slide down to 12,634', pull up hole and wash & ream from 12,625' to 12,633', slide down hole without rotating, pumped pill, LD 1 jt DP and POOH, PU SLB directional BHA, RIH to 282', conducted shallow hole test on MWD, RIH to 12,610', RU GyroData swivel and rigs kelly hose, stabbing Eline in drill pipe.
- 06/23/03 Day 20. 12,664' (29'). PO: RU Gydrodata on well and RIH with survey tool, swivel leaking, circ hole while WO on swivel, PU and MU swivel, circ. well at 2500 psi, RIH with Eline, RIH past whipstock, tagged bottom at 12,635', drilled to 12,664' , POOH with steering tool.
- 06/24/03 Day 21. 12,759' (95'). PO: RU to drill in rotary mode. POOH with Steering tool, made 60' connection at 12,664', RIH with steering tools and conducted check shots, slide drill from 12,664' to 12,727', POOH with steering tool, made 60' connection, RIH with steering tools and conducted check shots, slide drill from 12,727 to 17,759, survey, POOH with Gyro tool, pulled 2 jts out of hole and LD, PU kelly and RIH, MU kelly hose.

Surveys

Depth	Angle	Direction
12,640'	11.71°	116.77
12,674'	14.35°	128.92

- 06/25/03 Day 22. 12,835' (76'). PO: POOH. Rotary drill from 12,759' to 12,835', survey, rotary drill from 12,804' to 12,835', RD Gyro Data, pump pill. POOH, (bit trip).

Surveys

Depth	Angle	Direction
12,706'	17.82°	139.05

06/26/03 Day 23. 12,897' (62'). PO: Drilling. Change out motor, MWD probe & bit. RIH to 250' & conducted shallow hole test on MWD – OK. RIH. Orient TF & slide in open hole. Orient TF @ 12,836' & slide drill 15'

Surveys

Depth	Angle	Direction
12,848'	21.65°	148.14

06/27/03 Day 24. 13,047' (150'). PO: Drilling. Survey, slide drilling, survey & drilling. Drilling in Woodside (siltstone/shale)

Surveys

Depth	Angle	Direction
12,960'	23.56°	157.15

06/28/03 Day 25. 13,116' (69'). PO: Drilling. Drilled to 13166' Pump pill POOH f/bit. H2s safety drill. Change out BHA, PU motor, bit & rerun MWD probe. RIH, shallow hole test @ 280'. RIH, fill hole @ 68 stds. RIH to 12600', installed rotating head. RIH (open hole) WR 76' to bottom. Orient TF to 96R & start slide drilling.

Surveys

Depth	Angle	Direction
13,054'	24.13°	165.74

06/29/03 Day 26. 13,209' (26'). PO: Conn/Survey. Slide drill 13116' to 13147' H2S drill while drlg. Connection/Survey Rotary drill 13147' to 13157' & slide 13157' to 13178' w/90R TF. Connection/Survey @ 13179' RPS MP#1 & #3. Slide f/13179' to 13198'. Rotary drill 13197' to 13209' Soft shale f/next 150' to top of Dinwoody. Connection/Survey @13209'

Surveys

Depth	Angle	Direction
13,148'	23.62°	170.09

06/30/03 Day 27. 13,282' (73'). PO: Drilling. Slid drlg 13209' to 13241', Survey. Rotary drill 13241' to 13251'. Slide 13251' to 13272'. Survey w/BR @ 1.79, TR @ 4.78°/100'. Drill in rotary mode f/13272' to 13282'.

Surveys

Depth	Angle	Direction
13,211.81'	24.51°	176.14

07/01/03 Day 28. 13,322' (40') PO: Rotary drill mode. Rotary drilled from 13,282 to 13,297', pumped pill & POOH, changed out bit, motor, and MWD probe, RIH to 400' and shallow hole tested MWD, RIH to 12,600', break circ, RIH to 12,275', W&R 40' to bottom, rotary drill from 13,297' to 13,303', survey, slide drill from 13,303' to 13,322'.

Surveys:

Depth	Angle	Direction
13,242.13'	24.96°	178.18

07/02/03 Day 29. 13,481' (96'). PO: Drilling. Rotary drill from 13,322 to 13,343, slide drill from 13,343' to 13,365.99', conn/survey at 13,366', rotary drill from 13,366' to 13,370', slide drill from 13,370' to 13,397', conn/survey at 13,397' MD, rotary drill from 13,397' to 13,402', slide drill from 13,402' to 13,418'.

Surveys:

Depth	Angle	Direction
13,273.08	25.19°	179.23
13,304.21	25.32°	179.86
13,335.31	24.96°	179.96

07/03/03 Day 30. 13,521' (103'). PO: Mixing pill to POOH. Slide drill from 13,418' to 13,429', rotary drill from 13,429' to 13,433', slide from 13,433' to 13,460', rotary drill from 13,460' to 13,465', slide from 13,465' to 13,491', rotary drill from 13,491' to 13,496', slide from 13,496' to 13,521', mix pill to POOH. (Dave Hildreth)

Surveys:

Depth	Angle	Direction
13,366.72	25.29°	181.65
13,397.52	25.46°	183.57
13,429.08	25.51°	184.73

07/04/03 Day 31. 13,521' (0') PO: Setup to drill at 13,521'. Mix & pump pill, POOH, open hole clean, POOH and inspected BHA, pressure test BOP to 250/10000 psi with Double Jack, PU directional BHA, RIH 500' and shallow hole test MWD, RIH.

07/05/03 Day 32. 13,573' (52'). PO: Drilling/Rotary. Slide from 13,521' to 13,522.7', rotary drill from 13,522' to 13,527' slide from 13,527' to 13,542', rotary drill from 13,542' to 13,554', getting slip sticking on drill string, reduced RPM, slide from 13,554' to 13,571', rotary drill from 13,571' to 13,573'.

Surveys:

Depth	Angle	Direction
13459.26	25.47°	187.01
13491.61	25.97°	186.42

07/06/03 Day 33. 13,646' (73') PO: Drilling. Drill from 13,573' to 13,585', slide from 13,585' to 13,597', rotary drill from 13,597' to 13,606', drilling break at 13,599' to 13,603', PUH and checked flow (no flow), circulated bottoms up, check gas units at formation sample, max gas @ 12 units, rotary drill from 13,603' to 13,616, slide from 13,606' to 13,630', rotary drill from 13,630' to 13,646'.

Surveys:

Depth	Angle	Direction
13522.77	26.94°	186.81
13554.47	28.46°	188.42

07/07/03 Day 34. 13,677' (31'). PO: Drilling. Rotary drill from 13,646' to 13,648', slide from 13,648' to 13,664', PUH, pump pill & POOH, conducted tripping H2S drill, change out BHA, RIH w/ 4 stds to shallow hole test MWD, RIH to 12,600', break circulation, RIH to 13,632', W&R to 16' to bottom, rotary drill from 13,664' to 13,677'.

Surveys:

Depth	Angle	Direction
13585.1	29.86°	189.71

07/08/03 Day 35. 13,727' (50'). PO: Drilling. Connection survey at 13,678', slide from 13,678' to 13,693', rotate from 13,693' to 13,710', conn/survey at 13,710' MD, slide from 13,710 to 13,724', rotary drill from 13,724' to 13,727'.

Surveys

Depth	Angle	Direction
13,616.26	31.03°	189.72
13,647.61	32.25°	189.79

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07/09/03 Day 36. 13,804' (77'). PO: Prepare to POOH. Rotary drill from 13,727' to 13,729', started losing circ, mixed & pumped 25 bbl cellous fiber & calcium Carb, pumped around while drill and sealed 100% returns at 13,733', pumped another 10 bbl sweep, pulled DP screen, rotary drill from 13,733 to 13,741', slide from 13,741' to 13,756', rotary drill from 13,756' to 13,772, slide from 13,772' to 13,787', rotary drill from 13,787' to 13,804', prep to POOH (bit trip).

Surveys

Depth	Angle	Direction
13678.58	33.60°	189.59
13709.90	34.75°	190.37
13742.06	35.65°	190.29

07/10/03 Day 37. 13,835' (31') PO: Drilling. Mix and pump pill, POOH, changed out motor & bit, RIH to 400' and shallow hole tested MWD, RIH to 12,575', NU rotating head, W&R 40' to bottom (lost 100bbl fluid to formation on trip) and slide drill, slide from 13,804' to 13,823', rotate from 13,823' to 13,835'.

07/11/03 Day 38. 13929' (94'). PO: Drilling. Rotary and slide drill from 13,885' to 13,929', sliding top 20' and rotating bottom 10' on each connection.

Surveys

Depth	Angle	Direction
13773.34	36.27°	189.85
13804.31	37.03°	190.36
13836.10	38.09°	189.60
13864.77	39.11°	188.85

07/12/03 Day 39. 13,963' (34'). PO: Tripping in hole. Rotary drill from 13,929' to 13,959', mix LCM pill, PUH and change rams, filters plugged, rotary drill from 13,959' to 13,963', bit or motor torqued up, PUH 13,930', break circ, W&R to bottom, tagged bottom at 13,963' MWD, POOH to 12,600', removed rotating head, POOH, changed out motor, bit and MWD probe, RIH 400' and shallow hole test MWD, RIH at 6600'.

07/13/03 Day 40. 14,022' (59'). PO: Slide drilling. RIH to 12,525', W&R from 13,912' to 13,963', rotary drill from 13,963' to 13,989', slide from 13,989' to 14,001', rotary drill from 14,001' to 14,019', conn/survey at 14,019', azimuth still turning left, slide from 14,019' to 14,022'.

Surveys

Depth	Angle	Direction
13,925.77	41.78°	186.79
13956.41	41.95°	184.57
13987.85	42.00°	183.79

07/14/03 Day 41. 14,061' (39'). PO: Drilling. Slide drill from 14,022' to 14,034', rotary drill from 14,034' to 14,049', conn/survey at 14,049', slide drill from 14,049' to 14,061'.

07/15/03 Day 42. 14,092' (31'). PO: Tripping. Slide drill from 14,061' to 14,063', changed MP, rotary drill from 14,063' to 14,081', slide from 14,081' to 14,092', mix and pump pill, POOH, changed bit, motor and MWD probe, RIH to 555' and shallow hole tested MWD, running in the hole at 4450'.

07/16/03 Day 43. 14,158' (66'). PO: Rotary drilling. RIH to 12,575', install rotating head, RIH through open hole to 14,065', PU kelly and WR 14065' to 14,092', attempt to slide drill, rotary drill from 14,094' to 14,111', pump lube pill, rotary drill to 14,111' to 14,158'.

Surveys:

Depth	Angle	Direction
14051.15	41.87°	187.24
14079.3	42.41°	189.25

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07/17/03 Day 44. 14,238' (80'). PO: Slide drilling. Rotary drill from 14,158' to 14,206', slide drill from 14,206' to 14,221', rotary drill from 14,221' to 14,237', slide drill from 14,237' to 14,238'.

07/18/03 Day 45. 14,256' (18'). PO: Tripping in hole @ 4800'. Slide from 14,238' to 14,248', getting sticky at 14,245', added 0.5% lube to mud system, slide from 14,248' to 14,249', rotary drill from 14,249' to 14,256', PUH and mix and pump trip pill, POOH, change out bit, motor, MWD and PU SMDC, RIH to 473' and shallow hole test MWD, RIH at 4800'.

07/19/03 Day 46. 14,329' (73') PO: Rotary drilling. RIH to top of WS at 12,547' (WS @ 12,614'), break circ, RIH from 12,547' to 14,232', wash & ream from 14,232' to 14,256', rotary drill from 14,256' to 14,278', rotary drill from 14,278' to 14,309', slide from 14,309' to 14,319', rotary drill from 14,319' to 14,329'.

Surveys:

Depth	Angle	Direction
14206.12	42.98°	188.79
14237.72	43.30°	189.69

07/20/03 Day 47. 14,392' MD/14,052' TVD (63'). PO: Rotary drilling. Rotary drill from 14,329' to 14,341', slide from 14,341' to 14,361', hand drill slide section, increase WOB to 20k and achieve 150 psi motor pressure differential, rotary drill from 14,256' to 14,392'

07/21/03 Day 48. 14,465' MD/14,107' TVD (70'). PO: RIH at 8300'. Rotary drill from 14,392' to 14,434', slide from 14,434' to 14,449' MD, mix pill and circ btm up, pump pill and POOH, change bit motor and MWD probe, RIH 500' and shallow test MWD, RIH at 8300'.

Surveys:

Depth	Angle	Direction
14330.05	42.30°	190.54
14361.06	41.30°	190.02
14392.00	40.60°	188.94

07/22/03 Day 49. 14,519' MD/14,150' TVD. (54'). PO: Drilling. RIH to top of whipstock at 12,614', install rotating head and broke circulation. RIH (open hole) WR 46' to bottom. circ btms up, slide from 14,465' to 14,479', lost 45 bbls mud, rotary drill from 14,479' to 14,496', slide from 14,496' to 14,500', sticky, pull tight twice, worked free, slide from 14,500' to 14,519'.

Surveys:

Depth	Angle	Direction
14,423.44	40.21°	188.68

07/23/03 Day 50. 14592' MD/14203' TVD. (73'). PO: Drilling. Rotary drill from 14,519' to 14,527', slide from 14,527' to 14,547', rotary drill from 14,547' to 14,558', slide from 14,558' to 14,568' MD, rotate from 14,568' to 14,590, slide drill from 14,590' to 14,592'.

Surveys:

Depth	Angle	Direction
14454.16	39.82°	187.80
14485.51	39.98°	189.17
14517.95	40.44°	190.72

07/24/03 Day 51. 14,621' MD/14,228' TVD. (29'). PO: Cut drilling line. Slide from 14,593' to 14,599' with TF @ 45R, pump pill and POOH, change BHA and RIH to 270' and shallow hole tested MWD, RIH to 12,516', installed rotating head, clamp bent during removal while POOH, repaired clamp and tested, orient TF to 100R. (Dave Hildreth)

Surveys:

Depth	Angle	Direction
14549.65	41.52°	191.83

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07/25/03 Day 52. 14,668' MD/14,260' TVD (47'). PO: Rotary drilling. RIH from 12,575' to 14,575', fill hole from the top, W&R 14,575' to 14,621', rotary drill from 14,621' to 14,622', lost swivel packing, rig repair, changed out swivel packing, rotary from 14,622' to 14,652', lost 40 bbl mud to formation while drlg at 14,624' MD, mix & pump 40 bbl LCM pills, rotary drill from 14,652' to 14,668'. (Dave Hildreth)

Surveys:

Depth	Angle	Direction
14579.96	42.03°	191.69
14606.89	42.45°	192.64

07/26/03 Day 53. 14,715' MD/14,296' TVD (47'). PO: Drilling. Rotary drill from 14,668' to 14,699', short survey, slide from 14,699' to 14,705', lightning struck derrick and location, lost all instrumentation and H2S sensors on rig, calibrated MWD depth modular, install new MWD pressure sensor, slide from 14,705' to 14,709' (hole is turning right), rotary drill from 14,709' to 14,714', slide from 14,714' to 14,715'.

Surveys:

Depth	Angle	Direction
14,612.29	42.50°	192.17
14,642.96	42.38°	193.72

07/27/03 Day 54. 14,746' MD/14,318' TVD (31'). PO: RIH at 12,900'. Slide from 14,715' to 14,722', rotary drill from 14,722' to 14,728', slide from 14,728' to 14,732', rotary drill from 14,732' to 14,746', pump pill, POOH, change bit, motor and MWD probe, RIH 5 stds DP, shallow hole test MWD, RIH, fill pipe ½ way in hole, install rotating head at 12,579', RIH at 12,900'.

Surveys

Depth	Angle	Direction
14,674.72	42.08°	193.24

07/28/03 Day 55. 14,831' MD/14,384' TVD (85'). PO: Drilling. RIH and W&R from 14,699' to 14,746', lost 58 bbl mud during trip, rotary drill from 14,746' to 14,776', slide from 14,776' to 14,784', rotary drill from 14,784' to 14,822', slide from 14,822' to 14,831'.

Surveys:

Depth	Angle	Direction
14,705.82	41.68°	192.47
14,736.20	41.07°	192.31

07/29/03 Day 56. 14,863' MD/14,408.8' TVD (32'). PO: RIH at 12,579'. Slide from 14,831' to 14,832', rotary from 14,832' to 14,839', slide from 14,839' to 14,847', rotary from 14,847' to 14,863', pressure spike on DP and noise from MWD, PUH, mix and pump pill, POOH, change out bit, motor, float sub and magnaflux all BHA, RIH and shallow test MWD, RIH at 12,579'.

Surveys:

Depth	Angle	Direction
14768.55	40.58°	192.57

07/30/03 Day 57. 14,920' MD/14,451' TVD (57') PO: Drilling. RIH to top of whipstock at 12,614', break circ, rig service, W&R 100' to btm from 14,762' to 14,863', lost 300 bbl. mud during RIH, rotary drill from 14,863' to 14,871', pumped 4 LCM pills while WR to bottom, rotary drill from 14,863' to 14,871', slide from 14,871' to 14,879', rotate from 14,879 to 14,902',

slide from 14,902' to 14,910', rotary drill from 14,910' to 14,920'.

Surveys:

Depth	Angle	Direction
14799.72	40.00°	192.19
14830.43	40.23°	192.29

07/31/03 Day 58. 14,938' MD/14,466' TVD (18'). PO: Drilling. Rotary drill from 14,920' to 14,933', mix and pump LCM pill and place on bottom with weight pill, POOH and change out bit, motor, float sub, and MWD probe, RIH and shallow hole test MWD at 425', RIH to 12,458', RIH and WR 14,887' to 14,933', slide from 14,933' to 14,938'.

Surveys:

Depth	Angle	Direction
14863.22	39.90°	192.64

08/01/03 Day 59. 14,998' MD/14,512' TVD. PO: Drilling. Slide from 14,938' to 14,940' with difficulty, added sweeps of Newease 100 (lube), rotate from 14,940' to 14,956', slide with 30R TF from 14,965' to 14,986', rotate from 14,986' to 14,996', presently sliding from 14,996' to 14,998' with 70R TF. (Dave Hildreth)

Surveys:

Depth	Angle	Direction
14892.83	39.75°	189.04
14923.74	39.68°	187.89

08/02/03 Day 60. 15,008' MD/14,520' TVD. (9'). PO: Rotary drill. Slide from 14,998' to 14,999', rotary drill out slide area 14,998' to 14,999', PUH, pump LCM pill and mix and pump trip pill, LD single, POOH, change out bit & motor, TIH w/ 4 stds and shallow hole tested MWD, RIH to top of whipstock, installed rotating head and orient TF to 90R, RIH, WR 50' to bottom, slide drill from 14,999' to 15,000', PUH and rotate 15,000' to 15,006', mixing LCM pills since bit trip, tried sliding at TF = 90 deg., spent 2 hrs at 90R TF to get it to slide (100% returns), PUH and worked tight hole at 15,006', rotate drill string free, rotary drill through anhydrite section on logs before sliding again, mixing and adding NewEase 100 (lube) to mud system, rotary drill from 15,006' to 15,008'.

08/03/03 Day 61. 15,060' MD/14,558' TVD (52'). PO: POOH at 9800'. Rotary drill from 15,008' to 15,026', slide with difficulty and wall sticking, rotary from 15,021' to 15,027', tried to slide without success, rotary to different area to slide from 15,028' to 15,043', slide drill by hand from 15,043' to 15,053', rotary drill from 15,053' to 15,060', pressure spike, PUH, mix and pump pill, POOH.

08/04/03 Day 62. 15,079' MD/14,574' TVD (19'). PO: Drilling. POOH, change bit and MWD probe, RIH to 12,600' and installed rotating head, run in open hole to 15,023', WR from 15,023' to 15,060', rotary drill from 14,060' to 15,075', slide from 15,075' to 15,079'.

08/05/03 Day 63. 15,153' MD/14,630' TVD (74'). PO: Drilling. Slide drill from 15,079' to 14,085' TF 78R, rotary drill from 15,085' to 15,153', directional locked in at 40° & 190° azimuth.

Surveys:

Depth	Angle	Direction
15019.46	40.08°	190.74
15049.23	40.08°	190.32
15080.67	40.30°	191.49

08/06/03 Day 64. 15,194' MD/14,665' TVD (31'). PO: POOH for logs at 1700'. Rotary drill from 15,153' to 15,184', **TD well at 15,184' MD/14,654.93' TVD**, circ & cond mud for logs, short trip 28 stands (above whipstock), WR 46' to bottom, circ & cond mud for logs, adding LCM pills, lost 160 bbl on wiper trip, mix & pump pill, POOH for logs.

- 08/07/03 Day 65. 15,194' MD/14,665' TVD (0'). PO: RIH f/wiper trip. POOH for logs. JSA on RU and running eline logs. Ran Platform Express 15109' to 12620' BHC Sonic w/ HNGS 15005' TO 12620' RIH w/ FMS. At 13900' was unable to get tool to work correctly. POOH and worked on FMS tool at surface. Unable to located circurity problem on location. RD loggers, MU bit and motor. RIH to make wiper trip. RIH at 6800'
- 08/08/03 Day 66. 15,184' MD/14,665' TVD TD. PO: POOH at 1000' for logs. RIH, fill pipe at 6493', RIH to 12,505', fill pipe and orient TF, RIH and WR 120' to bottom, lost 100 bbl fluid on trip, circ/don mud for logs, POOH for logs.
- 08/09/03 Day 67. 15,184' MD/ 14,665' TVD TD. PO: POOH for liner. POOH for log, RIH w/ SLB FMS logging tool, logged FMS from 15,130' to 12,600', ran repeat log, POOH and RD loggers, PU bit and MWD probe, RIH, break circ, orient TF at 12,505', run in open hole and tagged bottom at 15,184' MD, circ and cond mud for liner, dropped 2.3" rabbit with 115' WL tail, POOH and recovered rabbit at the topof the HWDP, POOH at 3100' MD.
- 08/10/03 Day 68. 15,184' MD/14,665' TVD TD. PO: Running 3-1/2" liner. POOH and broke out bit and LD MWD tool, clean floor and make ready to run liner, RU casing and lay down crews, run 241 jts 3-1/2" 10.3# ft L-80 Vam Ace liner, pressure test connection with N2 to 8000 psi.
- 08/11/03 Day 69. 15,184' MD/ 14,665' TVD TD. PO: Haul mud and clean pits. RIH w/ 241 jts 3.5" 10.2#/ft L-80 Vam Ace, installed WFT completion's XO, PBR liner hanger, liner top packer and tie-back sleeve, RIH w/ 1 std DP, RD casing crew & LD machine, RIH with liner/DP, tagged at 15,123', worked tight hole, broke circ and circ wellbore, broke down 1 std DP, wash down from 15,123' to 15,165', MD, Circ and work DP/liner, RU cmt head and washed down to 15,190', PUH, shoe at 15,182', top of 3-1/2" liner at 7416' SLM, set hanger at 7416', released from liner, RU BJ to DP, PT to 5000 psi, set liner top packer at 7435', RD BJ Services and WFT cementing head, POOH w/ liner running tool and 79 stds DP and LD liner running tool.
- 08/12/03 Day 70. 15,184' MD/14,665' TVD TD. PO: Tag liner. Clean mud pits, place 2-7/8" on racks, drifted and tallied, welded on mud tanks prior to filling with water, PU RRBIt #16 7" casing scraper and bit sub with drill pipe. RIH and tagged liner top at 7416' MD.
- 08/13/03 Day 71. 15,184' MD/14,665' TVD TD. PO: Preparing to set BP. POOH with csg scraper, LD csg scraper and bit, PU Weatherford's polishing mill and RIH, polished liner hanger from 7415' to 7450' 5 times, circ wellbore, RU LD machine, POOH, LD 79 stds DP, RIH w/ 44 stds & POOH laying down.
- 08/14/03 Day 72. 15184' MD/14665' TVD TD. PO: NU BOP to PT. RD lay down machine, PU and RIH w/ WFT retrievable BP, set at 2420' in 7" 32#/ft. casing. POOH, ND BOP and raised using hydraulic winches. RU Furmanite, cut csg off at 4.75" and dressed csg stub, installed refurbished FMC tubing head, installed internal seal and pressure tested tubing spool to 5000 psi, NU BOPs, pressure test shell to 250/500 psi.
- 08/15/03 Day 73. 15184' MD/14665' TVD TD. PO: Running 2-7/8" tubing. Finish NU flowline, RIH and retrieve WFT BP, POOH and LD BP, RIH open ended drill pipe, break kelly down, SD and WO LD pole, broke weld on support arms, finish rigging up casers, PU and RIH w/ 2-7/8" 7.7#/ft L-80 Vam Ace tubing using Torque Turn (2021 ft-lb) and pressure test all connections to 8000 psi with Helium, run 85 jts depth at 2785'.
- 08/16/03 Day 74. 15184' TD. PO: RU to PT tbg annulus. RIH w/ 2-7/8" 7.7#/ft L-80 Vam Ace using Torque Turn at 2021' ft-lb and PT coupling to 8000 psi w/ helium (no rejections or leaks), installed injection Mandrel and PT fittings, ran 84 jts 2-7/8" and installed control lines and RIH and stabbed into tie-back sleeve, marked tbg and PUH, need 28 ft of spacer out, Vam Rep rejected 90% of pup joints in yard and location, installed FMC tubing hanger with control lines, PT all control lines fitting.

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- 08/17/03 Day 75. 15,814' TD. RDRT. MU tbg, WO flange for tbg spool, landed tbg w/ 17k down on seal locator sub, RU BJ and PT annulus, no test at 700 psi at 1.6 bpm, tested liner to 1000 psi (ok), retested annulus to 1000 psi (ok), hanger leaking to mud pits, pumped 300 bbl of packer fluid, displaced to annulus using 40 bbls 2% KCL, landed tbg in FMC spool w/ 14k on locator sub, screw in lock dn pins, PT annulus to 1000 psi (ok), RU LD machine & casing crew, pressure tester and wireline, ND BOPE, make wellhead ready for tree, install DCV and 2-9/16" 5000 psi tree w/ flow loop and PT to 5000 psi, PT w/ helium to 5000 psi, RDRT, **rig released at 0600 hours 8/17/03. Final Report.**
- 09/08/03 Day 1. 15,117' PBD. PO: Completion. RU BJ CTU and cleaned out to 7000', lost fluid pump, SD, POOH and change out fluid pump.
- 09/09/03 Day 2. 15,116' PBD. PO: Completion. Conducted fill clean out with CTU to 15,096' CTMD, ran CBL from 15,070' to 12,500'.
- 09/10/03 Day 3. 15,116' PBD. PO: Completion. Ran 2.17" GR and perforate 14,990' to 15,030'.
- 09/11/03 Day 4. 15,116' PBD. PO: Completion. MIRU BJ Services, performed 2500 g 7-1/2% HCl acid treatment w/ 30% N2, dropped ball sealer diverters, opened well for flowback, SITP 3050 psi, FTP dropped to 0 psi in 2 hours, SWI for buildup. (Dave Hildreth).
- 09/12/03 Day 5. 14,940' CIBP. PO: Completion. Set CIBP and perforated zone II. RU HotOil truck to fluid pack well, RD HOT & RU OWP, PT to 4000 psi, RIH w/ 2.17" gauge ring to 300', installed 2.16" CIBP, set at 14,940', tagged and confirmed, POOH, LD running tools, PT tbg & liner to 5000 psi, load and arm perf. guns, RIH and tagged SSSV at 260' worked to get open, RIH, tie-in and set CCL at 14,761', perforated 14,764' to 14,804', 4 spf, POOH with Eline, all shots fired, RD OWP, SWI at 1900 hrs for pressure building up and acid stimulation in the AM.
- 09/13/03 Day 6. 14,940' CIBP. PO: Completion. Acid stimulation with BJ services and monitoring wellbore for pressure turn around, well on slight vacuum after 45 minutes, well has slight wellhead pressure.
- 09/14/03 Day 7. 14,940' CIBP. PO: Completion. Flow testing, SWI at 07:45 for pressure build up.
- 09/15/03 Day 8. 14,940' CIBP. PO: Completion. MI and spot Cudd equipment, bleed well down in 2 minutes, RU Cudd CTU and N2 pumper, load CT w/ 2% KCL and PT to 5000 psi, N2 lifted, recovered 304 bbl load, 40 bbl over load, pH of last sample was 9 and sour, SWI, RD off wellhead using mask, RD Cudd and SWI for pressure build up.
- 09/16/03 Well SI, WO uphole recompletion.
- 09/17/03 Day 10. 14940' PBD. PO: Well SI, WO perforators.
- 09/18/03 Day 11. 14,740' PBD. PO: Completion. Fluid packed wellbore, set CIBP and perforate Zone III (Top) Weber, RU OWP and GM Stewart Crane. PT lubricator to 300/5000 psi, RIH w/ 2.17 GR to 14,750', POOH, RD GR and RU CIBP, RIH and set 2.16" CIBP at 14,740' ELMD, POOH and PT casing to 5000 psi, bleed pressure down slow, RIH w/ 1-11/16" perf guns, perforated 14,660' to 14,685', 4 spf, POOH and all shots fired, RD OWP, SWI, RD and move off location. (Dave Hildreth)
- 09/20/03 Monitoring SITP after Weber completion. SITP 300psi.
- 09/21/03 Monitoring SITP after Weber completion, SITP 400 psi.
- 09/22/03 Monitoring SITP after Weber completion.
- 09/23/03 Monitoring SITP after Weber completion.

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- 09/24/03 Monitoring SITP after Weber completion.
- 09/25/03 Monitoring SITP after Weber completion.
- 09/26/03 Monitoring SITP after Weber completion.
- 09/27/03 Day 13. 14,580' CIBP. PO: Completion. Set CIBP at 14,580' ELMD, RU OWP, RIH w/ 2.17" gauge ring to 14,590', MU 2.15" CIBP PT Lub to 4500 psi, open well and RIH w/ 2.16" CIBP, tie-in and set at 14,580' ELMD, POOH, RD lubricator and PT liner and CIBP to 5000 psi.
- 09/28/03 Day 14. 14,580' CIBP. PO: Completion. MI and spotted OWP, RU OWP to perf, RIH w/ 1-11/16" perf guns to 13,820', tie in at 13,813' (short joint), RIH to 14,261', PUH and perforated 14,220' to 14,255', POOH, RD, WHP = 0 psi, SWI for acid job at 0700 hrs. tomorrow.
- 09/29/03 Day 15. 14,580' CIBP. PO: Completion. Acidized with BJ services, flow back, SWI at 1900 hrs for build up. (Dave Hildreth)
- 09/30/03 SWI for build up.
- 10/01/03 SWI for build up.
- 10/02/03 SWI for build up.
- 10/03/03 SWI for build up.
- 10/04/03 Day 15. 14,580' CIBP. PO: Completion. Working at setting CIBP.
- 10/05/03 Day 16. 14,005' CIBP. PO: Completion. Set CIBP at 14,005' ELMD.
- 10/06/03 PO: SI, WO acid job.
- 10/09/03 PO: SI, WO acid job.
- 10/10/03 PO: WI, WO acid job.
- 10/13/03 PO: WI, WO acid job.
- 10/14/03 PO: WI, WO acid job.
- 10/15/03 PO: WI, WO acid job.
- 10/16/03 PO: WI, WO acid job.
- 10/17/03 PO: WI, WO acid job.
- 10/18/03 PO: WI, WO acid job.
- 10/19/03 PO: WI, WO acid job.
- 10/20/03 PO: WI, WO acid job.
- 10/21/03 PO: WI, WO acid job.
- 10/22/03 PO: WI, WO acid job.
- 10/23/03 PO: WI, WO acid job.

Island Ranching D-1 ST
Operator: AEC
Summit County, Utah

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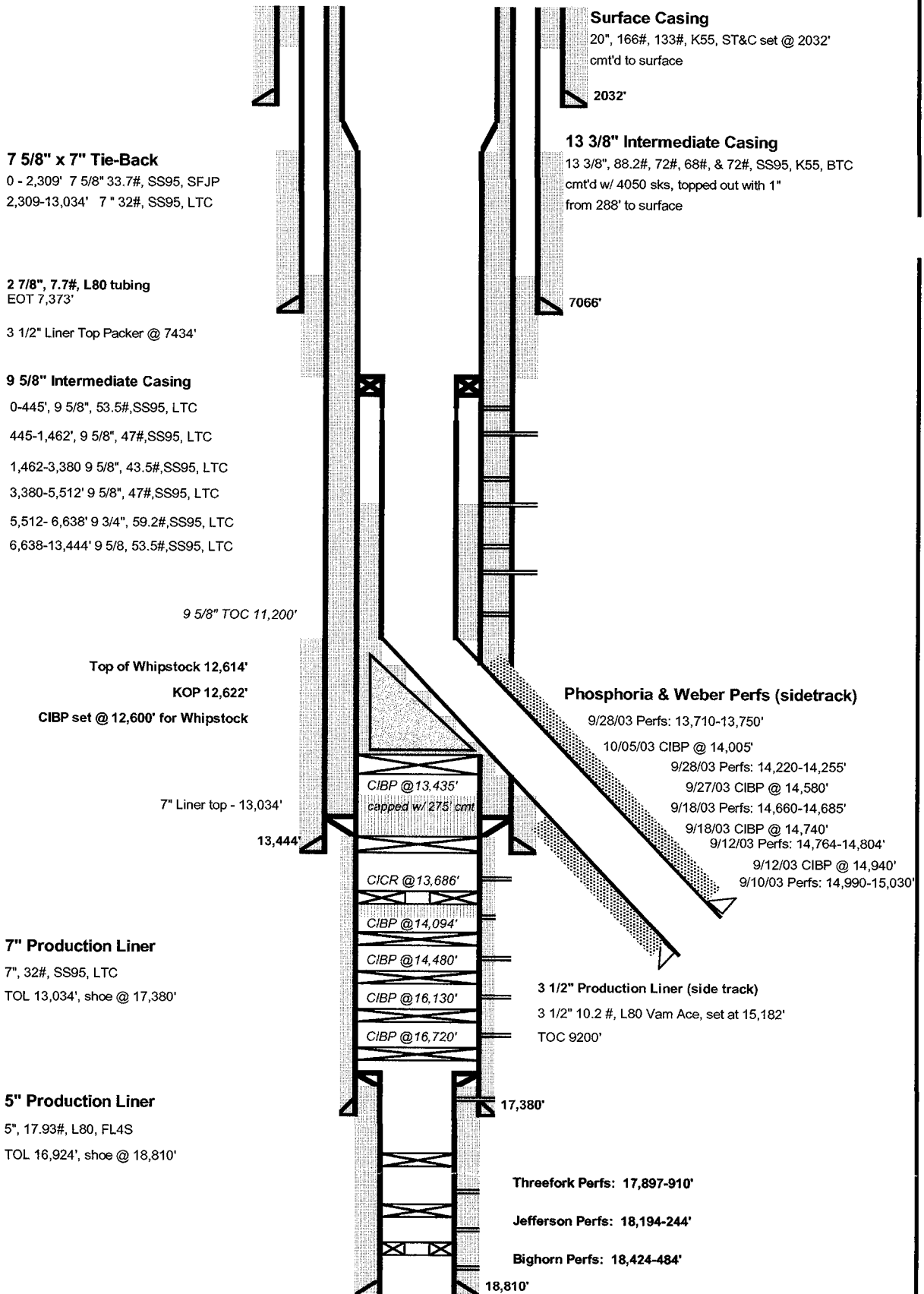
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10/24/03 PO: SI, WO acid job. **FINAL REPORT** until further activity.

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Spud Date: April 9, 1981
KB Elevation: 7,401'
GL Elevation: 7,371'

AMOCO ISLAND RANCHING D-1
Summit County, Utah
API No. 43-043-30161



CEMENT JOB REPORT



5/27/04 fe

CUSTOMER Anschutz Pinedale Corporation		DATE 26 MAY 04		F.R. # 224940320		SERV. SUPV. Jack Pillars	
LEASE & WELL NAME Island Ranch D-1 ST		LOCATION		COUNTY-PARISH-BLOCK Uinta Wyoming			
DISTRICT Rock Springs		DRILLING CONTRACTOR RIG #		TYPE OF JOB Plug & Abandon			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	SACKS OF	SLURRY V	SLURRY Y	WATER GPS	PUMP TIME	Bbl SLURRY	Bbl MIX
MATERIALS FURNISHED BY BJ								
Fresh Water			8.34				20	
Class G + Additives		295	15.8	1.15	4.95		60.54	34.74
Fresh Water			8.34				39.20	
Fresh Water			8.34				20	
Class G Neat		40	15.8	1.15	5.00		8.18	4.76
Fresh Water			8.34				26	
Fresh Water			8.34				20	
Class G + 1% CaCl2		20	15.8	1.16	5.00		4.12	2.38
Fresh Water			8.34				8	
Fresh Water			8.34				10	
Class G + 2% CaCl2		45	15.8	1.16	5.01		9.33	5.36
9.3# XLFC-1C Mud			9.3				300	
Class G Neat		145	15.8	1.15	5.00		29.65	17.26
Available Mix Water _____ Bbl. Available Displ. Fluid _____ Bbl.							TOTAL	555.01
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE
			7	32	CSG	7417		
			3.5	10.3	CSG	13710		
			7.625	33.7	CSG	2300		
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE
						0	7311	2.875
								EUE WATER BASED MU
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI	MAX CSG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator
42.4	BBLS	Fresh Water	8.34	0	248	3500	15000	4500
		Fresh Water	8.34					9960
								3500
								Rig

Circulation Prior to Job

Circulated Well: Rig ☐ BJ ☒ Circulation Time: 2 Circulation Rate: BPM

Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL PV & YP Mud In: PV & YP Mud Out:

Gas Present: NO ☒ YES ☐ Units: Solids Present at End of Circulation: NO ☒ YES ☐

Displacement And Mud Removal

Displaced By: Rig ☐ BJ ☒ Amount Bled Back After Job: 0 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL Method Used to Verify Returns:

Cement Returns at Surface: ☐ YES ☒ NO Were Returns Planned at Surface: ☒ NO ☐ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☐ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☒ NO ☐ YES Quantity: Type: ☐ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☐ MANIFOLD ☐ NO MANIFOLD

Plugs

Number of Attempts by BJ: Competition: Wiper Balls Used: ☒ NO ☐ YES Quantity:

Plug Catcher Used: ☒ NO ☐ YES Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES Top of Plug: FT Bottom of Plug: FT

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL

Number of Times Tests Conducted: Mud Weight When Test was Conducted: LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

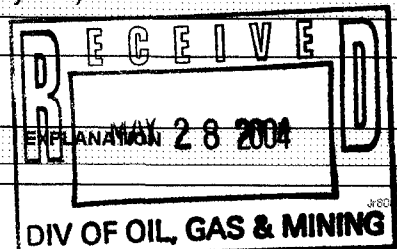
PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	2500 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input checked="" type="checkbox"/>
06:30						ON LOCATION	
07:00						SAFETY MEETING	
07:15						MIX MUD	
08:10					WATER	PRESSURE TEST LINES 3000 P.S.I.	
08:15	800	0	4	112	MUD	5400---2400	
00:00						PULL PIPE	
10:45	650	0	3	8	WATER	FILL HOLE	
11:00	500	0	3	4	CEMENT	MIX CEMENT	
11:05	425	0	3	13	WATER	DISPLACE CEMENT	
11:20						PULL UP	
11:30	0	500	4	17	WATER	REVERCE OUT	
14:20						NO TAG	
14:45						RIH	
15:20						REVERCE OUT CEMENT	
15:45	650	0	3.5	4	CEMENT	MIX CEMENT	
16:00						C.I.P.	
16:08	0	500	3.5	19	MUD	REVERCE OUT	
18:30						TAG CEMENT 2315	
18:40	475	0	4	83	MUD	MUD 2315---200	
19:00						PULL PIPE	
21:15	150	0	2	10	CEMENT	PLUG 200 TO SURFACE	
22:00						RDMO	
23:00						POST JOB SAFETY MEETING	
00:00						OFF LOCATION	

BUMPED	PSI TO BUMP	TEST FLOAT	BBL.CMT RETURNS/	TOTAL BBL. PUMP	PSI LEFT ON	SPOT TOP OUT	Service Supervisor Signature:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	162	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CEMENT JOB REPORT



CUSTOMER Anschutz Pinedale Corporation			DATE 28-MAY-04		F.R. # 258210453		SERV. SUPV. Jack Pillars			
LEASE & WELL NAME Island Ranch D-1 ST 43-043-30161			LOCATION			COUNTY-PARISH-BLOCK Natrona Wyoming				
DISTRICT Rock Springs			DRILLING CONTRACTOR RIG # Key			TYPE OF JOB Plug & Abandon				
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
		N/A		SACKS OF	SLURRY V	SLURRY Y	WATER GPS	PUMP TIME	Bbl SLURRY	Bbl MIX
MATERIALS FURNISHED BY BJ										
Barite + XLFC-1				112	9.3	5.61			112	
Class G Cement				20	15.8	1.15	4.95		4	2.30
Class G Cement + 2% A-7				20	15.8	1.15	4.95		4	2.30
Barite + XLFC-1				83	9.3	5.61			83	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL					203	4.60
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
			2.875	6.5	TBG	5400	N-80			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	WGT.
7	26	CSG	7283			0	5400	2.875	EUE	9.3
7	23	CSG	5149							
7.625	33.7	CSG								
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator
162	BBLs			0	289	3000	15000	3000	10860	3000
Circulation Prior to Job										
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>					Circulation Time: 2		Circulation Rate: 4 BPM			
Mud Density In: 9.3 LBS/GAL Mud Density Out: 9.3 LBS/GAL					PV & YP Mud In:		PV & YP Mud Out:			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:					Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>					
Displacement And Mud Removal										
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>					Amount Bled Back After Job: 0 BBLs					
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL					Method Used to Verify Returns:					
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES					
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE										
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					Quantity:		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD										
Plugs										
Number of Attempts by BJ:					Competition:		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES					Top of Plug: FT		Bottom of Plug: FT			
Squeezes (Update Original Treatment Report for Primary Job)										
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>		
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied:		Fluid Weight: LBS/GAL				
Casing Test (Update Original Treatment Report for Primary Job)										
Casing Test Pressure: 2000 PSI With 9.3 LBS/GAL Mud					Time Held: Hours Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:										
PRESSURE/RATE DETAIL										



CEMENT JOB REPORT



Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☒ UNPLANNED ☐
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: Fluid Weight: LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: PSI With LBS/GAL Mud Time Held: Hours Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL
 Number of Times Tests Conducted: Mud Weight When Test was Conducted: LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

PRESSURE/RATE DETAIL					EXPLANATION		
TIME HR:MIN.	PRESSURE - PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5000 PSI
						CIRCULATING WELL - RIG	<input type="checkbox"/> BJ <input checked="" type="checkbox"/>
10:00						ON LOCATION	
10:15						SAFETY MEETING	
10:35						MIRU	
15:00					WATER	PRESSURE TEST LINES @ 5000	
15:05	2100	0	3.5	50	WATER	FILL CASING	
15:20	2600	0	3.6	6	WATER	STAB IN RETAINER BREAK DOWN RATE	
15:30	2600	0	3.6	60.4	CEMENT	MIX CEMENT 275sx. below ret. 20 sx. on top.	
15:48	1527	200	4.91	38	WATER	DISPLACE CEMENT	
15:57	1100	0				PULL OUT OF RETAINER	
16:00	376	0	2	4	WATER	PUMP 4 BBL.	
16:10	274		2.5	38	WATER	REVERCE OUT	
17:20	800	0	4.3	56	MUD	PUMP 9.3 # MUD	
17:30	826	0	4.7	32	WATER	DISPLACE MUD	
17:38	0	0				MUD IN PLACE	
18:40	199	0	3.8	8	CEMENT	PUMP CEMENT	
18:48	150	0	4.2	32	WATER	DISPLACE CEMENT	
18:55						C.I.P. E.T.C. 5400	
19:10	300	0	3	35	WATER	REVERCE CLEAN.	
19:35						POST JOB SAFETY MEETING	
20:00						OFF LOCATION	

BUMPED	PSI TO BUMP	TEST FLOAT	BBL.CMT RETURNS/	TOTAL BBL. PUMP	PSI LEFT ON	SPOT TOP OUT	Service Supervisor Signature:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	189	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

Well Data

036

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME **ISLAND RANCHING D-1** API NUMBER **4304330161** WELL TYPE **GW** WELL STATUS **DRL**
OPERATOR **ANSCHUTZ EXPLORATION CORP** ACCOUNT **N7940** # OPERATOR APPROVED BY BLM / BIA ☐
DESIGNATED OPERATOR _____ ACCOUNT _____
FIELD NAME **ANSCHUTZ RANCH WEBER** FIELD NUMBER **502** FIRST PRODUCTION **7** **12** **1982** LA / PA DATE _____

WELL LOCATION:

SURF LOCATION **0915 FNL 0877 FWL**Q. S. T. R. M. **NWNW** **14** **04.0 N** **07.0 E** **S**COUNTY **SUMMIT**

UTM Coordinates:

SURFACE - N **4547865.00** BHL - N **4547138**SURFACE - E **489317.00** BHL - E **489443**LATITUDE **41.08389**LONGITUDE **111.12718**CONFIDENTIAL FLAG ☒

CONFIDENTIAL DATE _____

DIRECTIONAL / HORIZONTAL **D**HORIZONTAL LATERALS ☐ORIGINAL FIELD TYPE **D**WILDCAT TAX FLAG ☐CB-METHANE FLAG ☐ELEVATION **7371 GR**BOND NUMBER / TYPE **965001810** **4**LEASE NUMBER **FEE**MINERAL LEASE TYPE **4**SURFACE OWNER TYPE **4**

INDIAN TRIBE _____

C.A. NUMBER **UTU60842**

UNIT NAME _____

CUMULATIVE PRODUCTION:

OIL **0**GAS **0**WATER **0**

WELL IMAGES

PRODUCTION GRAPH

COMMENTS **011214 FR N0050 12/2001:030506 FR N1990 11/2002:030514 INT ADDL LAT;IRR SEC;SURF LOC CORRECTION FR 866**
FNL 850 FWL;FR R649-3-11:030519 INT DEEPEN VERBAL TO BEGIN DIRTWORK ONLY:030521 INT DEEPEN APRV:

Create New Rec

Save

Cancel Change

To History

To Activity

Print Recd

Export Recd





EXPLORATION CORPORATION

555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

August 2, 2004

Utah Division of Oil, Gas and Mining
1592 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

RE: Island Ranching D#1
API No. 43-043-30161
Summit Co., UT

Ladies and Gentlemen:

Enclosed please find a Well Completion or Recompletion Report and Log on the above captioned well.

The following items have been included as well:

1. Wellbore Diagram
2. Island Ranching D1 Final Surveys Report
3. Completion Summary
4. List of Formation Tops
5. Island Ranching D-1 ST Chronological File
6. Logs (Platform Express Compensated Neutron Density, Gamma Ray, BHC Sonic).

If you have questions, please do not hesitate to contact Jim Oursland at (303) 299-1228 or myself at (303) 299-1519.

Sincerely,

DeVon M. Pester
Operations Technician

/dmp

Enclosures

Cc: Jim Oursland

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

035

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ OTHER ☐

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR: Anschutz Exploration Corporation

3. ADDRESS OF OPERATOR: 555 17th St., Suite 2400 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 298-1000

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 915' FNL, 877' FWL; T4N-R7E
AT TOP PRODUCING INTERVAL REPORTED BELOW: NA
AT TOTAL DEPTH: See attached survey 1454 FSL 1526 FWL

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME: CA-UT020-49-85C687

8. WELL NAME and NUMBER: Island Ranching D #1

9. API NUMBER: 4304330161

10. FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

12. COUNTY: Summit

13. STATE: UTAH

14. DATE SPUNDED:

15. DATE T.D. REACHED: 8/6/2003

16. DATE COMPLETED: 10-24-03

ABANDONED ☐ READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL): GL 7371'; KB 7404'

18. TOTAL DEPTH: MD 15,184 TVD 14,654

19. PLUG BACK T.D.: MD 14,005 TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD 14,580 PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Platform Express, BHC Sonic Log, NAT/GR/HOSTILE C.N/TDD

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
5-7/8"	3.1/2 L-80	10.2#	7,434	15,182					

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2"	15.182		10.2#					

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
see attached	

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: N/A		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: <input type="checkbox"/>		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: <input type="checkbox"/>	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: <input type="checkbox"/>		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: <input type="checkbox"/>	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: <input type="checkbox"/>		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: <input type="checkbox"/>	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: <input type="checkbox"/>		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: <input type="checkbox"/>	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

N/A

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
see attached					

34. FORMATION (Log) MARKERS:

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) James P. Oursland

TITLE Operations Manager

SIGNATURE

DATE 7/27/2004

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

September 24, 2004

VIA FEDERAL EXPRESS

Utah Division of Oil, Gas and Mining
1592 West North Temple, Suite 210
Box 145801
Salt Lake City, UT 84114-5801

RE: Sundry Notice
Island Ranching D-1 (API 4304330161);
Anschutz Ranch Deep 10-27 (API 4304330321);
A. L. & L. # 14-33 ST (API 043-30315)

Plug and Abandon

Gentlemen:

Attached please find the original Sundry Notices for Plugging and Abandoning the above mentioned wells in Summit County.

Thank you for your cooperation in the handling of this matter.

Sincerely,

DeVon M. Pester
Operations Technician

/dp
Enclosure

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FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

037

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

n/a

7. UNIT or CA AGREEMENT NAME:

n/a

8. WELL NAME and NUMBER:

Island Ranching D-1

9. API NUMBER:

4304330161

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

3. ADDRESS OF OPERATOR:

555 17th St., Ste. 2400 CITY Denver

STATE Co

ZIP 80202

PHONE NUMBER:

(303) 298-1000

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 915' FNL AND 877' FWL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☒ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Anschutz Exploration Corporation has plugged and abandoned the above well per the attached daily report and wellbore sketch.

NAME (PLEASE PRINT) Mohamed Elhage

TITLE Petroleum Engineer

SIGNATURE

Mohamed Elhage

DATE 9/24/2004

(This space for State use only)

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SEP 27 2004

DIV. OF OIL, GAS & MINING

ANSCHUTZ EXPLORATION CORPORATION P&A WELLBORE SCHEMATIC

SEC: 30 T15N, R120W

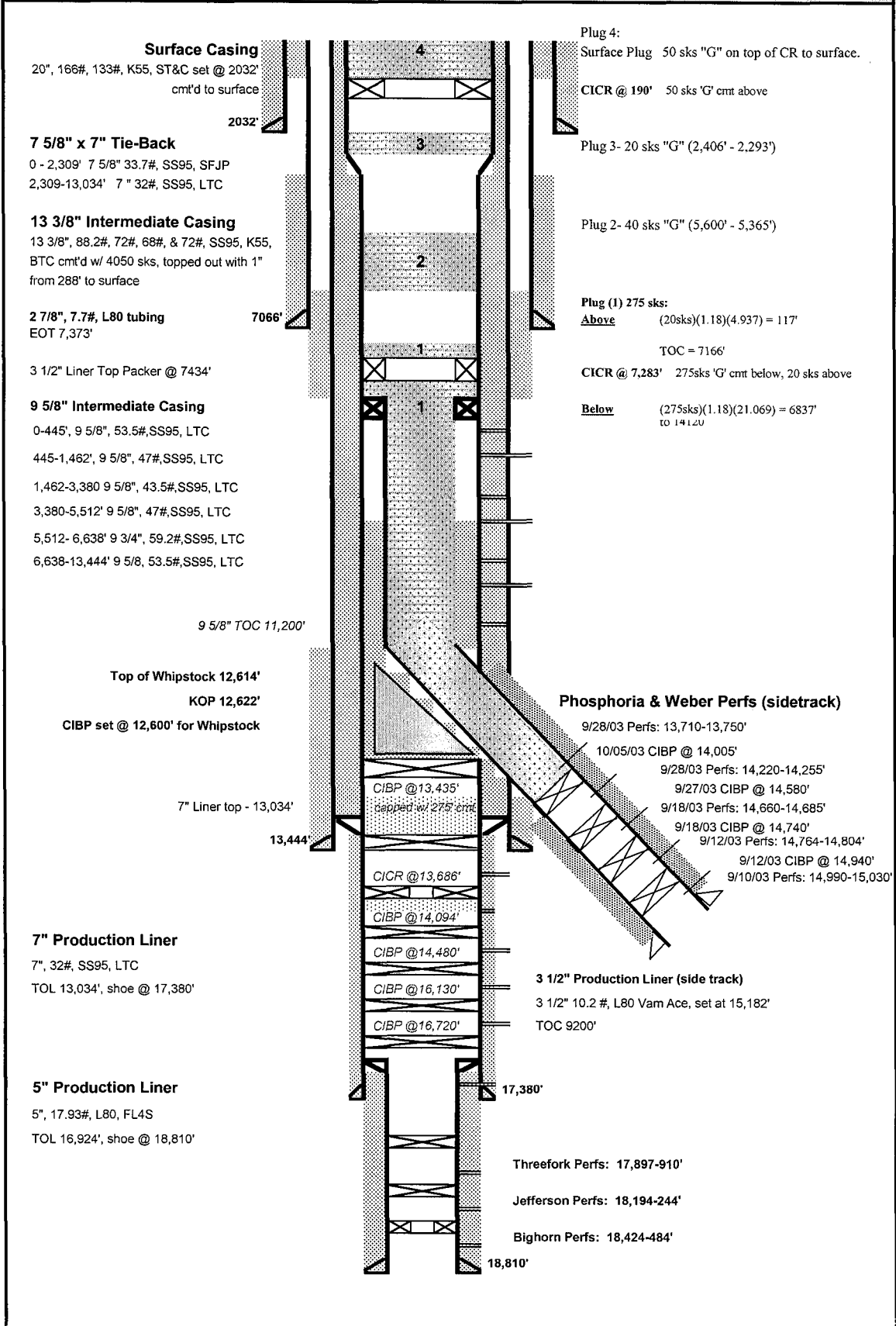
GL Elevation: 7,371'

WELL NAME: Anschutz Island Ranch D-1

Summit County, Utah

API No. 43-043-30161

GROUND ELEVATION: 7,371'



Island Ranching D-1 ST
Operator: AEC
Section 14, T4N, R7W
Summit County, Utah
Anschutz Ranch Deep Field

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- 05/20/04 PO: Moving rig from Harry Moon to Island Ranch D-1ST.
- 05/21/04 P&A Day 2. PO: Rigging up. Haul in 500 bbl tanks, haul water, raise derrick, set and raise sub, RU support equipment, pumped 50 bbls down annulus, went on vacuum.
- 05/24/04 P&A Day 3. PO: LD prod tbg. Check well, pump 70 bbls to sweeten tbg, pull BPV, ND tree, NU BOPs and test, RU spooler & LD machine.
- 05/25/04 P&A Day 4. PO: Run seals and packer. Check well, pump 95 bbls water down tbg, POOH, LD 2.875" 7.7# L-80 VAM Ace production tubing, spooling 1/4" SS injection line, LD SSSV and injection mandrel, secure well, SDFN.
- 05/26/04 P&A Day 5. PO: Set cement retainer. Check well, PU 2' seal, 1 jt 1.875" tbg, 10' x 2.875" pup, Arrowset packer w/ on-off tool, RIH, sting into 4" seal bore, set packer, test annulus to 1000#, release on-off too, POOH, Secure well, SDFN.
- 05/27/04 P&A Day 6: PO: RIH to tag cement plug. RU OWP, run gauge ring to 7381', POOH, PU 7", 32# cement retainer. RIH & set retainer @ 7283'. TIH w / stinger, establish injection rate, pump 295 sx. cement. 275 sx. Below retainer, 20 sx. on top, reverse out. Spot 9.3# mud to 5600'. POOH to 5600', spot 40 sx. Cement. Reverse out, pull 10 stands. Secure well SDFN.
- 05/28/04 P&A Day 6. PO: LD tbg. RIH, tag cement at 5400', spot 9.3# mud to 2400', POOH to 2400', spot 20 sx 'G' cement, pull 6 jts, reverse out, pull 10 stds, WOC, TIH, did not tag cement, POOH 3 jts, wait 30 min, TIH to 2406', did not tag, reverse out 4 bbls green cement, pump 20 sx "G" cement w/ 2% CaCl, pull 6 jts, reverse out, WOC, tag cement, spot mud, POOH, set CIBP at 200', RIH, pump 50 sx "G" cement surface plug, cementing witnessed by Lisha Cordova, Utah O&G Commission.
- 06/01/04 P&A Day 7. RD rig & support equipment. FINAL REPORT PENDING OPERATIONS TO PERFORM SURFACE RESTORATION.



555 SEVENTEENTH STREET • SUITE 2400 • DENVER, COLORADO 80202 • 303-298-1000 • FAX 303-298-8881

September 19, 2005

Utah Division of Oil, Gas and Mining
1592 West North Temple, Suite 210
Box 145801
Salt Lake City, UT 84114-5801

RE: Sundry Notices - Reclamation
Island Ranching D-1 (API 43-043-30161);
A. L. & L. # 14-33 ST (API 43-043-30315)

Gentlemen:

Attached please find the original Sundry Notices for reclaiming the above mentioned well sites in Summit County.

Thank you for your cooperation in the handling of this matter.

Sincerely,

DeVon M. Pester
Operations Technician

/dp
Enclosure

RECEIVED

SEP 23 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

n/a

7. UNIT or CA AGREEMENT NAME:

n/a

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER _____

8. WELL NAME and NUMBER:

Island Ranching D-1

2. NAME OF OPERATOR:

Anschutz Exploration Corporation

9. API NUMBER:

4304330161

3. ADDRESS OF OPERATOR:

555 17th St., Ste. 2400 CITY Denver

STATE Co

ZIP 80202

PHONE NUMBER:

(303) 298-1000

10. FIELD AND POOL, OR WILDCAT:

Anschutz Ranch

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 915' FNL AND 877' FWL

COUNTY: Summit

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 14 4N 7E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

9/23/2005

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☒ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Anschutz Exploration Corporation requests approval to perform reclamation on the Island Ranch D1 well site. Once reclamation is complete, a Subsequent Report will be sent documenting the type of work performed.

NAME (PLEASE PRINT) James P. Oursland

TITLE Operations Manager

SIGNATURE

DATE 9/16/2005

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE 9/26/05

BY: [Signature]

(See Instructions on Reverse Side)

*Reclamations shall be done in accordance with R649-3-34

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SEP 23 2005

DIV. OF OIL, GAS & MINING